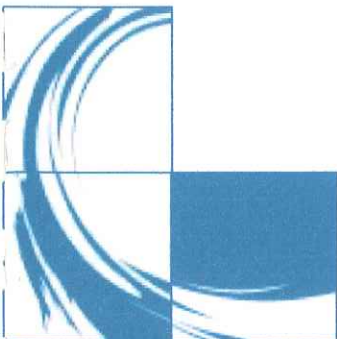




Fourth
Quarter Well Monitoring

Tronox LLC.
Henderson, Nevada

OCT. 30 – NOV. 3, 2006



CONTENTS

Letter of Transmittal	1
Field Data Letter Report	2-10
Field Daily Sign-In Log	11
Daily Maintenance & Calibration Record	12-16
Table 1- Well Inventory for Groundwater Sampling	17-20
Chain of Custody / Bottle Orders.....	21-34
Water Sampling Field Logs	35-132

Field Data Letter Report

Section		
1.0	INTRODUCTION	2
1.1	Scope of Sampling Event	
2.0	FIELD ACTIVITIES	3
2.1	Groundwater Level Soundings	4
2.2	Equipment Cleaning Procedures.....	4
3.0	GROUND WATER SAMPLING	4
3.1	Sampling Locations	4
3.1.1	Interceptor Wells 4	
3.1.2	Monitoring Wells.....	4
4.0	SAMPLING TECHNIQUES	5
4.1	Interceptor Wells.....	5
4.2	Monitoring Wells.....	6
4.3	Problems Encountered	6
4.4	Equipment Cleaning procedures.....	6
5.0	QUALITY CONTROL / QUALITY ASSURANCE	6
5.1	QC Duplicate Samples.....	6
5.2	Equipment Blanks	7
5.3	Field Blanks	7
6.0	ANALYTICAL PROCEDURES.....	7
6.1	Field Equipment Calibration.....	8

7.0	SUMMARY RESULTS.....	9
7.1	Ground Water Level Sounding.....	9
7.2	Analytical Results.....	9
7.2.1	Interceptor Wells.....	9
7.2.2	Monitoring Wells.....	9
7.2.3	QC Duplicates.....	9
7.2.4	Equipment Blanks.....	9
7.2.5	Field Blanks.....	10



Letter of Transmittal

Attention: Susan Crowley
Environmental Specialist
Tronox LLC.
8000 W. Lake Mead Drive
Henderson, NV 89015

Date: November 13, 2006

Project:

2006 4th Quarter Groundwater Monitoring

Enclosed:

1 copy of Field Data Letter Report

Remarks:

Susan,

The enclosed Quarterly Groundwater Monitoring Report with supporting documents is provided for your records.

Signature:

A handwritten signature in black ink that reads "J. Lambeth".

Jeff Lambeth, Project Manager
VeoliaWaterNA

VEOLIA WATER NORTH AMERICA
PO BOX 90578 Henderson, NV 89009
Tel 702-566-3521 / Fax 702-566-9030
www.Veoliawaterna.com



Field Data Letter Report

5 INTRODUCTION

Tronox LLC. (formerly Kerr McGee Chemical) contracts with Veolia Water North America West LLC., (VWNA) to conduct groundwater sampling and analysis at their Chemical facility, located at 8000 West lake Mead Gate 2, in Henderson, Nevada. The work described herein represents the fourth quarter groundwater sampling event for 2006. The work was conducted in accordance with the Sampling and Analysis Work plan, submitted to KMG January 9, 2004. VWNA has four staff members trained to assist the quarterly well monitoring events. VWNA monitoring team meets twice prior to the sampling event to discuss all issues associated with this project and to review the status of action items noted in the first meeting. Sampling and laboratory equipment needs, time tables and well site schedules are reviewed. Samples and coolers are checked to ensure that there are no missing bottles.

1.1 SCOPE OF SAMPLING EVENT

This sampling effort included the following tasks:

- Soundings of the pumping water levels in 23 interceptor wells.
- Collection of groundwater samples from 21 interceptor wells.
- Soundings of water levels in 74 monitoring wells.
- Collection of groundwater samples from 70 monitoring wells.

Analysis of samples collected from the interceptor and monitoring wells, range from Perchlorate (CLO4), Total Chromium (Cr), Hexavalent Chromium (Cr+6), pH, Total Dissolved Solids (TDS), Nitrate (NO3), Chlorate (CLO3) and NPDES list for well M-10, (Up Well). (CR-MS, MN-MS, CU-MS, MO-MS, FE, B, CL, F, TDS, NO3, NO2-N, N-INOR, NH3, NH3-DIST)

Groundwater samples were shipped daily to Montgomery Watson (MW) for analysis, in Monrovia, California. MW is certified by the State of Nevada.

The scope of this assignment also included compiling the water level and analytical data presented in this report. Data are presented in tabular form.

6 FIELD ACTIVITIES

VWNA conducted the field activities associated with this quarterly sampling event between Monday October 30th and Friday, November 3rd, 2006. Activities included the sounding of “pumping water” levels in the interceptor wells, sounding the “static water” level in the monitoring wells and sampling of both the interceptor and monitoring wells. Prior to each quarter, an inventory list is issued to Tronox LLC. for review and comment. The inventory list was approved by Tronox personnel and their designees and there for followed.

VWNA Project Manager Jeff Lambeth oversees the technical work conducted by project personnel and the quality assurance efforts. James Winge and Eric Crawford were responsible for sample collection and recording all pertinent data on sample bottles. Michele Brown supervised the groundwater sampling activities. She is responsible for executing all work elements related to the groundwater sampling program, including laboratory equipment maintenances and calibration, fieldwork, documenting field activities, maintaining field notes and photographs (when applicable), maintaining a record of onsite personnel and visitors, and providing the Operations Manager with information concerning implementation of the sampling plan.

VWNA maintained records of daily events and pertinent sampling data of each well on a field log sheet and addendum data in a bound log book. Log sheet entries included personnel onsite, weather conditions, water levels, activities conducted, sampling times, pH, EC, temperature and other significant field information.

2.1 Groundwater Level Soundings

VWNA sounded pumping water levels in 23 interceptor wells. Interceptor well “G” and “T” pumps are out of service, however; sounding was conducted at these locations. In addition to the interceptor wells, static water levels of 74 monitoring wells were taken. There were 2 monitoring

wells considered "DRY", M-32, and M-18. There were two (2) wells where only static water levels were required. The following are the 3 wells:

M-80	M-80A		

Five (5) wells had the bailers removed in order to sound and record DTW readings.

M-98	M-96	M-19	M-18
M-102			

The water levels were sounded to the nearest 0.01 foot using an electronic well sounder.

2.2 Equipment Cleaning Procedures

During the sounding of water levels, the equipment was washed with de-ionized water before use at each well. We rinsed the equipment with 3 to 4 gallons deionized water using a dedicated DI water bucket after every well sampling. The rinse water was collected in a polyethylene container and transported to GW-11 for treatment.

3.0 GROUNDWATER SAMPLING

3.1 Sampling Locations

The following presents the identification of wells sampled.

3.1.1 Interceptor Wells

I-AR	I-B	I-C	I-D	I-E	I-F	I-H	I-I	I-J	I-K	I-L
I-M	I-N	I-O	I-P	I-Q	I-R	I-S		I-U	I-V	I-Z

3.1.2 Monitoring Wells

	M-10	M-11	M-12A		M-14A	M-17A		M-19	M-22A
M-23	M-25	M-31A		M-34	M-35	M-36	M-37	M-38	M-39
M-44	M-48	M-50	M-52	M-57A	M-61	M-64	M-65	M-66	M-67
M-68	M-69	M-70	M-71	M-72	M-73	M-74	M-75	M-76	M-79

M-83	M-84	M-85	M-86	M-87	M-88	M-89	M-92	M-93	M-94
M-95	M-96	M-97	M-98	M-99	M-100	M-101	M-102	M-115	PC-123
PC-124	PC-125	PC-126	PC-127	PC-128	PC-129	PC-130	PC-131	PC-132	PC-37
PC-54	PC-71	PC-72	PC-73						

4.0 SAMPLING TECHNIQUES

4.1 Interceptor Wells

The interceptor wells were sampled using dedicated sampling ports. At the beginning of sampling each well or line, personnel wore a new pair of clean nitrile or latex gloves. The sampling port was opened to drain any stagnant water from piping and valves. This water is captured and containerized. All captured water is off-loaded at GW-11 for onsite treatment. Following the purging of the sample port, a "water quality" sample was collected for analysis of Perchlorate, Total Chromium, pH, and conductivity. VWNA also recorded the "field" temperature, pH, and conductivity as well as the pumping water level. The "field" parameters are provided in Table 1.

4.2 Monitoring Wells

Monitoring wells were purged before sampling to assure that each sample was collected from fresh formation water.

Sixty-five (65) wells were purged and sampled, using the 12 volt submersible pump. Two wells were purged with the "Ready Flo 2" with variable pump flow control. Two (2) wells, M-36, M-38, were purged with a non dedicated bailer that was flushed with de-ionized water prior to each sampling. Hand bailing was done as a result of only needing to purge less than 3 gallons of water, if there was an insufficient amount of water in the well casing to use a pump or due to the location of the well.

Samples for both the interceptor and monitoring wells were collected in appropriate containers supplied by MWH Laboratories and analyzed for the specific required analysis of the well. The bottles were filled with minimal aeration, using laminar flow.

The samples were labeled, packaged, stored, and transported using the procedures outlined in the work plan for well samples. Clear tape may have been used on some bottles to maintain the information integrity of the labels. Where leaking acid removed the pre labeled information, it was hand restored.

4.3 Problems Encountered

During this event five (5) wells purged dry, M-98, M-64, M-73, M-101 and M-72. Although the wells purged dry the three well casings of water required to be purged from each well was attained and samples collected.

The wells on Sunset, PC-128 and PC-132, now have new steel lids to replace the broken cast lids.

4.4 Equipment Cleaning Procedures

In addition to using much more water to flush and decontaminate the deionized is changed each morning so the rinsing water is fresh. Non-dedicated sampling equipment was cleaned and decontaminated before use at each new sampling location. Conductivity meter probes, pH electrodes, were thoroughly rinsed with de-ionized water after each well was sampled. The rinsate is captured in a special use bucket for decontamination.

5.0 QUALITY CONTROL

Quality control (QC) procedures implemented for this sampling event included collection and analysis of QC duplicate samples, equipment and field blanks. The analytical laboratory is also required to meet specific QA/QC requirements for surrogate recovery, MS/MSD recovery and RPDs, and LCS recoveries.

5.1 QC Duplicate Samples

QC duplicate samples were collected during the sampling event to evaluate the precision and accuracy of analytical data. The QC duplicates were collected, packaged, and transported in the same manner as the primary sample, but assigned a different identification number. Duplicate "field" EC monitoring was conducted each day on the last well visited for that day.

Five (5) duplicates were collected from the wells, representing at least 5 percent of the samples collected. The duplicate samples were collected from wells PC-127, PC-128, and PC-129, M-100

and M-84. They were analyzed for the same parameters as the primary samples. MWH was not informed of the identity of these "blind" samples.

5.2 Equipment Blanks

Two equipment blanks were taken this quarter. The equipment blanks were collected on October 31st and November 1st. One set of three bottles for each day for a total of 6 bottles. This was done to evaluate the adequacy of cleaning procedures used by field personnel during this sampling event.

5.3 Field Blanks

One field blank sample (FB-1) was collected on October 30, 2006. One set of three bottles was sent to the laboratory for analysis to evaluate the integrity of the de-ionized water used to clean and purge the sampling equipment.

6.0 ANALYTICAL PROCEDURES

The following designates the parameter, analytical method and method reporting limits for groundwater. Some of the following analysis may not have been performed for this reporting period. VVNA lists all appropriate information to include analysis conducted throughout the entire year:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>MRL</u>
CLO4	EPA Method 314	4.0 µg/L
Total Chromium	EPA Method 200.7	0.01 mg/L
Hexavalent Chromium (Cr+6)	EPA Method 4500 CR-D	0.005 mg/L,
pH	EPA Method 150	.01 units
EC	EPA Method 2510	2 µohms/cm
TDS	EPA Method 2540C.	10 mg/L

MWH Laboratory QC analytical method and method reporting limits information, was taken from the MWH Laboratory Data Report.

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>MRL</u>
Chloride	EPA Method 300	80.0 mg/L

Iron (ICAP)	EPA Method 200.7	0.005 mg/L
Manganese (ICAP/MS)	EPA Method 200.8	100 µg/L
Sodium (ICAP)	EPA Method 200.7	5 mg/L
Phenolic Compounds	EPA Method 420.1, 420.2	.010 mg/L
Sulfate	EPA Method 300	80 mg/L
Total Organic Carbon, TOC	EPA Method (ML/SM 5310C)	unknown
Total Organic Halogen, TOX	EPA Method (ML/9020 / SM5320)	unknown
Boron	EPA 200.7	.10 mg/L
Fluoride	SM4500F-C	.050 mg/L
Molybdenum	EPA 200.8	2.0 ug/L
Total Organic Nitrogen	EPA Method 300	0.200 mg/L
Ammonia Nitrogen	EPA Method 350	0.050 mg/L
Nitrate Nitrogen	EPA Method 300	2.0 mg/L
Copper	EPA Method 200.8	2.0 ug/L
Chlorate	EPA Method 9056	1000 µg/L
Nitrate	EPA Method 300	11 mg/L

Laboratory QA/QC procedures employed by MW are being provided directly to KMG.

6.1 Field Equipment Calibration

Prior to the start of each day's events, field laboratory equipment was calibrated. A Hanna HI 98130 water proof pH, EC/TDS and temperature field probe was calibrated and measurements recorded on daily laboratory calibration maintenance forms, which have been provided.

7.0 SUMMARY RESULTS

7.1 Groundwater Level Soundings

A summary of water level soundings collected for the interceptor and monitoring wells are presented in Table 1. A low number indicates a tall water column and a high number indicates a shallow water column.

Pumping water level in interceptors wells. (Measured in feet from below the top of casing.)

LOW

24.14 (I-I)

HIGH

43.83 (I-E)

Static water level monitoring wells. (Measured in feet from below the top of casing.)

LOW

9.87 (PC-132)

HIGH

48.72 (M-10)

7.2 Summary of Field Activities

7.2.1 Interceptor Wells

CLO4, Cr, TDS

21 interceptor wells

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.2 Monitoring Wells

CLO4, Cr, Cr+6, and TDS

8 monitoring wells

CLO4, Cr, TDS

62 monitoring wells

Fifteen wells had CLO3 and NO3 samples collected from them along with the standard set required from the well.

PC-124	PC-126	PC-128	PC-130	PC-132	M-48	M-23	M-10	M-11	M-12A
M-39	M-25	M-36	M-37						

The analytical results for these wells are being provided to Tronox directly from MW.

7.2.3 QC Duplicate Samples (Measured for the same analyses as the primary samples.)

M-100 and M-84 (Measured for CLO4, Total Cr., Hex Cr, TDS and pH)

PC-127 and PC-129 (Measured for Total Cr., CLO4, TDS and pH)

PC-128 (Measured for pH, CLO4, CLO3, NO3, TDS and CR)

7.2.4 Equipment Blanks

Two equipment blanks were analyzed for CLO₄, Total Cr., Hex Cr., pH, and TDS.

7.2.5 Field Blank

One field blank was analyzed for CLO₄, Total Cr., Hex Cr., pH and TDS.

Weather	Cool, Sunny
Total # of wells sampled	91
Total water samples collected	101
Total Wells measured DTW only	4
Total Duplicate Samples (5%)	5
Total Equipment Blanks	2
Total Field Blanks	1
Total Wells hand bailed	3
Total Wells considered DRY	2
Total Wells not found	0
Total Wells out of service	2



Table of Well Gauging Data

This Section Contains:

- Field Sign - In Log
- Daily Maintenance & Calibration Log
- Table 1 Well Inventory
- Chain-of-Custody & Bottle Order Forms



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 10-30-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst 5:10 MB
Calibration Value	2) 7.02	2) 7.99	
Buffer Temperature	3) 19.4	3) 18.5	
changed buffers yes <input checked="" type="checkbox"/> please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst 5:00 MB	
Temp. Comp. Value	1) 11.67		
Calibration Value	1) 11.67 12.9 MB		
Standard Temp	1) 19.5		
changed standards yes <input checked="" type="checkbox"/> please check			

Duplicate EC reading Well # M-44

1st Reading

2nd Reading

EC 9.43mS TEMP 23.8°C

EC 9.47mS TEMP 24.1°C

All equipment was rinsed and purged with Deionized water after each well.

Date 10-30-06 Verified M Brown



DAILY MAINTENANCE AND CALIBRATION RECORD
DATE 10-31-06

HANNA FIELD PH METER

Known value	1) 7.0	1) 8.0	Time/analyst <u>505</u> <u>MB</u>
Calibration Value	2) <u>7.01</u>	2) <u>8.02</u>	
Buffer Temperature	3) <u>20.3</u>	3) <u>19.9</u>	
changed buffers yes <input checked="" type="checkbox"/> please check			

HANNA FIELD EC METER

Known Value	1) 1288	Time/analyst <u>MB</u> <u>500</u>
Temp. Comp. Value	1) <u>11.67</u>	
Calibration Value	1) <u>1289</u>	
Standard Temp	1) <u>20.3</u>	
changed standards yes <input checked="" type="checkbox"/> please check		

Duplicate EC reading Well # M-11

1st Reading

2nd Reading

EC 4.17ms TEMP 24.2°C

EC 4.21ms TEMP 24.5°C

All equipment was rinsed and purged with Deionized water after each well.

Date 10-31-06 Verified M Brown

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-2A	40.69	1781.16	Only Sampled in the 2nd Quarter (Annual) Sampling event					pH / Cr / ClO ₄ / TDS
M-5A	50.00	1751.80	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO ₄ / CR / TDS
M-6A	46.00	1733.20	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-7B	55.00	1732.83	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4
M-10	69.45	1836.21	48.72	1787.49	7.34	3.96mS/cm	10-31-06/9:50	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-11	58.00	1815.54	43.38	1772.16	7.81	4.17mS/cm	10-31-06/11:23	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-12A	50.00	1812.76	42.35	1770.41	7.71	8.80mS/cm	11-1-06/11:24	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-13	54.76	1814.89	Only Sampled in the 2nd Quarter					pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-14A	42.40		32.08		7.40	4.42mS/cm	11-3-06/7:52	pH / Cr / ClO ₄ / TDS
M-15	42.55	1750.97		1750.97				pH / Cr / ClO ₄ / TDS
M-17A	37.00	1768.99	33.04	1735.95	7.05	14.58mS/cm	11-3-06/6:37	pH / Cr / ClO ₄ / TDS
M-18	29.80	1740.48	28.30	1712.18	NO SAMPLE		11-1-06/11:00	pH / Cr / ClO ₄ / TDS
M-19	41.20	1766.77	35.72	1731.05	7.37	5.59mS/cm	11-1-06/8:42	pH / Cr / ClO ₄ / TDS
M-21	44.74	1792.07		1792.07				pH / Cr / ClO ₄ / TDS
M-22A	36.92	1759.46	30.13	1729.33	6.97	15.64mS/cm	11-3-06/6:04	pH / Cr / ClO ₄ / TDS
M-23	44.47	1720.35	24.98	1695.37	7.35	5.33mS/cm	10-30-06/11:36	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-25	41.47	1759.93	32.18	1727.75	7.04	10.43mS/cm	11-2-06/11:10	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-27	26.00	1742.25	Well was abandoned by KMCC in June 2003.					Not sampled
M-29	41.74							pH / Cr / ClO ₄ / TDS
M-31A	55.00	1796.87	47.03	1749.84	7.09	10.27mS/cm	11-1-06/6:48	pH / Cr / ClO ₄ / TDS
M-32	46.76	1799.86		1799.86	NO SAMPLE		11-1-06/7:01	pH / Cr / ClO ₄ / TDS
M-33	46.78	1800.29		1800.29				pH / Cr / ClO ₄ / TDS
M-34	41.83	1777.10	37.63	1739.47	7.15	12.14mS/cm	11-1-06/8:10	pH / Cr / ClO ₄ / TDS
M-35	42.33	1775.94	35.67	1740.27	7.06	9.96mS/cm	11-1-06/8:26	pH / Cr / ClO ₄ / TDS
M-36	37.86	1759.82	31.90	1727.92	7.03	16.51mS/cm	11-2-06/9:59	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-37	37.18	1761.06	31.08	1729.98	7.07	8.66mS/cm	11-2-06/10:59	pH / CR6 / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-38	36.82	1759.73	31.01	1728.72	7.12	14.66mS/cm	11-2-06/10:03	pH / Cr / ClO ₄ / TDS
M-39	42.60	1761.13	31.53	1729.60	7.10	7.72mS/cm	11-1-06/9:01	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-44	37.65	1698.31	18.40	1679.91	7.45	9.43mS/cm	10-30-06/12:12	pH / Cr / Cr ^P / ClO ₄ / TDS
M-48	38.59	1720.78	23.90	1696.88	7.60	3.56mS/cm	10-30-06/9:59	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
M-50	62.15	1795.64	46.65	1748.99	7.10	14.20mS/cm	11-1-06/7:07	pH / Cr / ClO ₄ / TDS
M-52	47.38	1801.92	40.87	1761.05	7.15	7.84mS/cm	11-2-06/6:04	pH / Cr / ClO ₄ / TDS
M-55	45.00	1750.88		1750.88				Not sampled
M-56	40.00	1750.83		1750.83				Not sampled

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-57A	42.40		29.23		7.46	4.19mS/cm	10-31-06/8:04	pH / Cr / ClO ₄ / TDS
M-58	46.00	1751.25		1751.25				Not sampled
M-60	43.00	1750.94		1750.94				Not sampled
M-61	41.00	1746.83	24.78	1722.05	7.24	6.33mS/cm	11-1-06/9:33	pH / Cr / ClO ₄ / TDS
M-64	38.00	1749.76	29.84	1719.92	7.36	7.40mS/cm	10-31-06/7:05	pH / Cr / ClO ₄ / TDS
M-65	40.00	1753.90	29.23	1724.67	6.86	16.59mS/cm	10-31-06/7:36	pH / Cr / ClO ₄ / TDS
M-66	43.00	1754.24	30.60	1723.64	6.71	16.83mS/cm	10-31-06/7:51	pH / Cr / ClO ₄ / TDS
M-67	38.00	1745.91	22.85	1723.06	7.16	7.98mS/cm	11-1-06/10:10	pH / Cr / ClO ₄ / TDS
M-68	41.00	1748.72	25.61	1723.11	7.38	7.17mS/cm	11-1-06/9:16	pH / Cr / ClO ₄ / TDS
M-69	40.00	1749.75	30.50	1719.25	7.15	6.02mS/cm	10-31-06/8:56	pH / Cr / ClO ₄ / TDS
M-70	41.00	1748.24	27.66	1720.58	7.01	9.92mS/cm	11-2-06/9:10	pH / Cr / ClO ₄ / TDS
M-71	43.00	1747.04	27.94	1719.10	7.04	8.15mS/cm	11-2-06/9:23	pH / Cr / ClO ₄ / TDS
M-72	36.00	1746.49	30.24	1716.25	7.07	10.35mS/cm	11-2-06/9:36	pH / Cr / ClO ₄ / TDS
M-73	36.00	1741.14	28.70	1712.44	7.55	3.71mS/cm	11-1-06/10:24	pH / Cr / ClO ₄ / TDS
M-74	39.00	1744.37	27.40	1716.97	7.32	7.48mS/cm	11-1-06/10:43	pH / Cr / ClO ₄ / TDS
M-75	53.90	1784.21	42.18	1742.03	7.48	6.45mS/cm	11-3-06/7:19	pH / Cr / ClO ₄ / TDS
M-76	54.60	1785.21	38.74	1746.47	7.55	5.66mS/cm	11-3-06/6:56	pH / Cr / ClO ₄ / TDS
M-77	47.80	1800.17		1800.17				pH / Cr / ClO ₄ / TDS
M-78	43.60	1751.50		1751.50				Not sampled
M-79	37.60	1742.53	26.09	1716.44	7.62	1.80mS/cm	10-31-06/9:12	pH / Cr / ClO ₄ / TDS
M-80	43.70	1746.04	25.84	1720.20	NO SAMPLE		11-2-06/8:29	W.L. only
M-81A	41.60	1744.16	28.61	1715.55	NO SAMPLE		11-2-06/8:08	W.L. only
M-83	42.50	1742.36	23.18	1719.18	7.45	2.01mS/cm	11-2-06/8:37	pH / Cr / ClO ₄ / TDS
M-84	36.80	1741.03	22.50	1718.53	7.58	1.39mS/cm	11-2-06/10:38	pH / Cr / Cr ⁶⁺ / ClO ₄ / TDS
M-85	38.87	1741.19	25.60	1715.59	7.75	1.31mS/cm	11-2-06/8:06	pH / Cr / ClO ₄ / TDS
M-86	43.00	1744.23	29.89	1714.34	7.30	4.38mS/cm	11-2-06/7:50	pH / Cr / ClO ₄ / TDS
M-87	41.00	1744.12	34.33	1709.79	7.40	2.44mS/cm	11-2-06/6:29	pH / Cr / ClO ₄ / TDS
M-88	39.00	1739.35	30.61	1708.74	7.31	8.67mS/cm	11-1-06/11:07	pH / Cr / ClO ₄ / TDS
M-89	39.00	1766.19	33.37	1732.82	6.93	13.86mS/cm	11-3-06/6:21	pH / Cr / ClO ₄ / TDS
M-92	48.50	1800.76	36.96	1763.80	7.15	2.54mS/cm	11-1-06/5:43	pH / Cr / ClO ₄ / TDS
M-93	49.00	1797.54	35.88	1761.66	7.50	3.85mS/cm	11-1-06/6:13	pH / Cr / ClO ₄ / TDS

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
M-94	21.60	1695.07	11.40	1683.67	7.31	8.74mS/cm	10-30-06/11:55	pH / Cr / Cr ⁶ / ClO ₄ / TDS
M-95	30.00	1694.09	9.90	1684.19	7.39	8.82mS/cm	10-30-06/9:03	pH / Cr / ClO ₄ / TDS
M-96	16.90	1693.52	9.93	1683.59	7.38	8.12mS/cm	10-30-06/8:52	pH / Cr / ClO ₄ / TDS
M-97	52.50	1800.85	40.07	1760.78	7.13	5.03mS/cm	11-1-06/5:58	pH / Cr / ClO ₄ / TDS
M-98	33.40	1731.90	30.00	1701.90	7.38	5.56mS/cm	10-31-06/8:25	pH / Cr / ClO ₄ / TDS
M-99	36.50	1730.74	27.96	1702.78	7.18	7.38mS/cm	10-31-06/8:40	pH / Cr / ClO ₄ / TDS
M-100	32.80	1730.93	26.27	1704.66	7.52	2.16mS/cm	11-2-06/10:25	pH / Cr / Cr ⁶ / ClO ₄ / TDS
M-101	31.20	1730.81	28.42	1702.39	7.65	4.44mS/cm	11-2-06/7:04	pH / Cr / ClO ₄ / TDS
M-102	43.50	1740.24	37.50	1702.74	7.57	2.52mS/cm	11-2-06/8:49	pH / Cr / ClO ₄ / TDS
M-115	47.50		37.19		7.52	3.31mS/cm	11-3-06/7:36	pH / Cr / ClO ₄ / TDS
PC-123	34.70	1626.70	23.00	1603.70	6.99	8.72mS/cm	10-30-06/5:46	pH / Cr / ClO ₄ / TDS
PC-124	34.60	1636.30	24.90	1611.40	7.19	6.93mS/cm	10-30-06/6:04	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-125	33.50	1635.41	23.45	1611.96	7.21	7.22mS/cm	10-30-06/6:21	pH / Cr / ClO ₄ / TDS
PC-126	34.30	1634.87	22.45	1612.22	7.13	12.44mS/cm	10-30-06/6:34	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-127	34.70	1632.92	19.21	1613.71	7.30	8.65mS/cm	10-30-06/6:49	pH / Cr / ClO ₄ / TDS
PC-128	34.70	1633.62	18.48	1615.14	7.45	5.72mS/cm	10-30-06/7:03	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-129	37.70	1634.35	18.55	1615.80	7.14	7.56mS/cm	10-30-06/7:21	pH / Cr / ClO ₄ / TDS
PC-130	49.70	1633.50	19.10	1614.40	7.26	7.35mS/cm	10-30-06/7:40	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
PC-131	39.40	1634.29	11.10	1623.19	7.09	13.08mS/cm	10-30-06/7:59	pH / Cr / ClO ₄ / TDS
PC-132	39.70	1634.84	9.87	1624.97	7.19	12.53mS/cm	10-30-06/8:17	pH / Cr / ClO ₄ / TDS / NO ₃ / ClO ₃
Interceptor Wells								
I-AR	45.00	1758.35	29.07	1729.28	7.15	9.09mS/cm	10-31-06/6:40	pH / Cr / ClO ₄ / TDS
I-B	45.70	1752.66	33.06	1719.60	7.18	7.10mS/cm	10-31-06/6:12	pH / Cr / ClO ₄ / TDS
I-C	43.80	1752.77	32.81	1719.96	7.25	10.35mS/cm	10-31-06/6:03	pH / Cr / ClO ₄ / TDS
I-D	47.70	1752.66	28.94	1723.72	7.16	10.74mS/cm	10-31-06/6:01	pH / Cr / ClO ₄ / TDS
I-E	46.70	1752.36	43.83	1708.53	6.89	11.24mS/cm	10-31-06/5:55	pH / Cr / ClO ₄ / TDS
I-F	45.80	1749.70	26.02	1723.68	6.99	14.89mS/cm	10-31-06/5:51	pH / Cr / ClO ₄ / TDS
I-G	42.60	1752.50	28.80	1723.70	NO SAMPLE		10/31/06	pH / Cr / ClO ₄ / TDS
I-H	46.50	1753.21	33.71	1719.50	6.83	16.70mS/cm	10-31-06/5:40	pH / Cr / ClO ₄ / TDS
I-I	44.20	1745.50	24.14	1721.36	7.18	13.01mS/cm	11-1-06/10:00	pH / Cr / ClO ₄ / TDS
I-J	44.50	1750.07	42.15	1707.92	7.28	6.82mS/cm	11-1-06/9:48	pH / Cr / ClO ₄ / TDS

Table 1
KERR-McGEE CHEMICAL CORPORATION
WELL INVENTORY FOR GROUNDWATER SAMPLING
HENDERSON, NEVADA

Summary of Field Data for: Fourth Quarter Groundwater Monitoring, November 2006

WELL #	TOTAL DEPTH (from TOC)	TOP OF CASING ELEVATION (MSL)	DEPTH TO WATER (FEET)	GROUNDWATER ELEVATION (FT MSL)	pH	SPECIFIC CONDUCTIVITY (mS/cm)	DATE / TIME	COMMENTS/Analytical Plan
I-K	38.71	1750.07	36.33	1713.74	7.37	6.88mS/cm	11-1-06/9:38	pH / Cr / ClO ₄ / TDS
I-L	43.40	1751.69	25.63	1726.06	6.96	8.89mS/cm	10-31-06/6:07	pH / Cr / ClO ₄ / TDS
I-M	43.70	1752.89	29.85	1723.04	7.07	10.94mS/cm	10-31-06/5:57	pH / Cr / ClO ₄ / TDS
I-N	41.70	1751.45	29.12	1722.33	6.93	12.38mS/cm	10-31-06/5:52	pH / Cr / ClO ₄ / TDS
I-O	43.80	1752.79	37.80	1714.99	6.56	14.64mS/cm	10-31-06/5:32	pH / Cr / ClO ₄ / TDS
I-P	47.80	1751.66	41.80	1709.86	6.75	16.24mS/cm	10-31-06/5:37	pH / Cr / ClO ₄ / TDS
I-Q	43.80	1753.11	29.28	1723.83	6.96	17.06mS/cm	10-31-06/5:47	pH / Cr / ClO ₄ / TDS
I-R	45.30	1751.35	34.23	1717.12	6.96	9.35mS/cm	10-31-06/6:10	pH / Cr / ClO ₄ / TDS
I-S	47.70	1750.03	28.66	1721.37	7.27	8.69mS/cm	10-31-06/6:05	pH / Cr / ClO ₄ / TDS
I-T	47.80	1751.65	28.66	1722.99	NO SAMPLE		10/31/06	pH / Cr / ClO ₄ / TDS
I-U	47.60	1752.16	41.67	1710.49	6.75	16.80mS/cm	10-31-06/5:42	pH / Cr / ClO ₄ / TDS
I-V	47.70	1752.13	31.33	1720.80	7.25	13.49mS/cm	11-1-06/10:03	pH / Cr / ClO ₄ / TDS
I-Z	37.00	1743.78	34.00	1709.78	7.30	9.51mS/cm	11-1-06/9:52	pH / Cr / ClO ₄ / TDS
Other wells (offsite)								
PC-37	43.08	1707.71	24.15	1683.56	7.41	8.73mS/cm	10-30-06/11:16	pH / Cr / ClO ₄ / TDS
PC-54	34.60	1704.42	15.13	1689.29	7.28	7.39mS/cm	10-30-06/9:37	pH / Cr / ClO ₄ / TDS
PC-71	33.23	1698.73	22.43	1676.30	7.36	9.46mS/cm	10-30-06/10:37	pH / Cr / ClO ₄ / TDS
PC-72	39.54	1699.43	27.64	1671.79	7.39	8.31mS/cm	10-30-06/10:49	pH / Cr / ClO ₄ / TDS
PC-73	49.44	1699.49	30.26	1669.23	7.34	8.29mS/cm	10-30-06/11:01	pH / Cr / ClO ₄ / TDS
Pioneer Chemical Well								
H-28A	51.00	1731.75	Only sampled on 2nd & 3rd Quarters					(pH / SC / TOC / TOX) x 4 CLO ₄ / CR / TDS
Duplicate Samples:								
MD-1	= blind duplicate of	M-100					11/02/06	pH / Cr / Cr ⁶ / ClO ₄ / TDS
MD-2	= blind duplicate of	M-84					11/02/06	pH / Cr / Cr ⁶ / ClO ₄ / TDS
MD-3	= blind duplicate of	PC-127					10/30/06	pH / Cr / ClO ₄ / TDS
MD-4	= blind duplicate of	PC-129					10/30/06	pH / Cr / ClO ₄ / TDS
MD-5	= blind duplicate of	PC-128					10/30/06	pH / Cr / ClO ₄ / TDS / NO ₃ / CLO ₃
Other Samples Collected:								
Equipment Blank Sample: EB-1 collected on							10-30-06/12:23	pH / Cr / Cr ⁶ / ClO ₄ / TDS
Equipment Blank Sample: EB-2 collected on							11-1-06/11:41	pH / Cr / Cr ⁶ / ClO ₄ / TDS
Field Blank Sample: FB-1							10-30-06/12:15	pH / Cr / Cr ⁶ / ClO ₄ / TDS

ACTUAL

Wells sampled:	91	Number of Wells to be Sampled:	95
Duplicates:	5	Number of Duplicate Samples (5%):	5
Field Blanks:	1	Number of Field Blanks (1 per Qtr):	1
Equipment Blanks:	2	Number of Equipment Blanks (2 per Qtr):	2
Total Samples Collected:	99	Total Number of Water Samples to be Collect:	103
DTW Only:	6	Number of wells where water levels measured only:	2
Wells Visited:	97	Total Number of Wells to visit:	97



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

HWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quantity Groundwater Sampling
Schedule B

KERRMCGEE-MP

Sampler Michele Brown

Michele Brown

Susan Crowley (702) 651-2234

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	DH 9040	TDS	CLO4	CRVI 7196	NO3 9056	CLO3 9056	See Bottle Order	SAMPLER Comments
9:48	10-30-06		PC-54	RGW	X		X	X	X	X					2 Bottles
10:18	10-30-06		M-48	RGW	X		X	X	X	X		X			4 Bottles
10:45	10-30-06		PC-11	RGW	X		X	X	X	X					2 Bottles
10:57	10-30-06		PC-12	RGW	X		X	X	X	X					2 Bottles
11:11	10-30-06		PC-13	RGW	X		X	X	X	X					2 Bottles
11:27	10-30-06		PC-37	RGW	X		X	X	X	X					2 Bottles
11:45	10-30-06		M-23	RGW	X		X	X	X	X					4 Bottles
12:07	10-30-06		M-94	RGW	X		X	X	X	X	X				3 Bottles
12:22	10-30-06		M-44	RGW	X		X	X	X	X	X				3 Bottles
	10-30-06		MD-3	RGW	X		X	X	X	X					2 Bottles
	10-30-06		MD-4	RGW	X		X	X	X	X					2 Bottles
	10-30-06		MD-5	RGW	X		X	X	X	X	X	X	X		4 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:
SO = Soil
SL = Sludge

SIGNATURE

Michele Brown

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

DATE

10-30-06

TIME

12:00PM

RELINQUISHED BY:

RECEIVED BY:

RELINQUISHED BY:

RECEIVED BY:



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

LOG IN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		(check for yes)	
KERRMAGEE-MP		Quarley Groundwater Sampling		ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)			
Sampler Michele Brown		Schedule B					
Susan Crowley (702) 651-2234		Tronox LLC - Henderson Plant PO Box 56 Henderson, NV 89009					
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP	SAMPLER Comments
556	10-30-06		PC-123	RGW	X		2 Bottles
614	10-30-06		PC-124	RGW	X		4 Bottles
622	10-30-06		PC-125	RGW	X		2 Bottles
672	10-30-06		PC-126	RGW	X		4 Bottles
657	10-30-06		PC-127	RGW	X		2 Bottles
714	10-30-06		PC-128	RGW	X		4 Bottles
736	10-30-06		PC-129	RGW	X		2 Bottles
754	10-30-06		PC-130	RGW	X		4 Bottles
811	10-30-06		PC-131	RGW	X		2 Bottles
827	10-30-06		PC-132	RGW	X		4 Bottles
859	10-30-06		M-96	RGW	X		2 Bottles
911	10-30-06		M-95	RGW	X		2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chloroformated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	COMPANY/TITLE	DATE	TIME
RECEIVED BY:		Michele Brown	10/30/06	12:00PM
RELINQUISHED BY:				
RECEIVED BY:				



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Montrovia, CA 91016
(626) 386-1100 (800) 566-5227

MYLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERRMCGEE-MP** PROJECT JOB # / P.O.#: **Quarterny Groundwater Sampling** (check for yes)

Sampler: **Michelle Brown** Schedule B

Tronox LLC - Henderson Plant
PO Box 55
Henderson, NV 89009

Susan Crowley (702) 651-2234

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)										SAMPLER Comments
							CR 6010	PH 9040	TDS	ClO4	CRVI 7196	NO3 9056	ClO3 9056	See Bottle Order.			
12:15	10-30-06		FB-1	RGW	X		X	X	X	X	X	X	X	X	X	X	3 Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water, FW = Other Finished Water, RGW = Raw Ground Water, RSW = Raw Surface Water

Reported by Weight: SO = Soil, SL = Sludge, CWW = Chlorinated Waste Water, WW = Other Waste Water, SW = Storm Water

RELINQUISHED BY: *Michelle Brown* SIGNATURE: *Michelle Brown* PRINT NAME: Michelle Brown

RECEIVED BY: _____ DATE: 10-30-06 TIME: 12:00PM

COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant

RELINQUISHED BY: _____

RECEIVED BY: _____



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

HVLABS USE ONLY:

LOG IN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#	REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES										(check for yes)				
KERRMCGEE-MP Sampler: Michele Brown		Quaterly Groundwater Sampling Schedule B	ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)														
Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009			CR 6010	PH 9040	TDS	CLO4	CRVI 7196	NO3 9056	CLO3 9056	See Bottle Order					SAMPLER Comments		
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX	GRAB	COMP											
609	10-31-06		J-L	RGW	X		X	X	X	X	X	X	X	X	X	X	2 Bottles
611	10-31-06		J-R	RGW	X		X	X	X	X	X	X	X	X	X	X	2 Bottles
615	10-31-06		J-B	RGW	X		X	X	X	X	X	X	X	X	X	X	2 Bottles
621	10-31-06		J-AR	RGW	X		X	X	X	X	X	X	X	X	X	X	2 Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles
				RGW	X		X	X	X	X	X	X	X	X	X	X	Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

Reported by Weight:
SO = Soil
SL = Sludge

Reported by Weight:
CW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

RGW = Raw Ground Water
RSW = Raw Surface Water

RELINQUISHED BY:	SIGNATURE	PRINT NAME	COMPANY/TITLE	DATE	TIME
RECEIVED BY:	<i>Michele Brown</i>	Michele Brown	Veolia Water NA for Tronox LLC - Henderson Plant	10-31-06	12:00PM
RELINQUISHED BY:					
RECEIVED BY:					



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

IN-LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME: **KERR/MCGEE-MP** PROJECT JOB # / P.O.#: **Quantile Groundwater Sampling** (check for yes)

Sampler: **Michele Brown** Schedule B: **Tronox LLC - Henderson Plant**

Michele Brown PO Box 55 Henderson, NV 89009

Susan Crowley (702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	ClO3 9056	See Bottle Order	SAMPLER Comments
533	10/21/06		I-O	RGW	X		X	X	X	X					2 Bottles
537	10/21/06		I-P	RGW	X		X	X	X	X					2 Bottles
540	10/21/06		I-H	RGW	X		X	X	X	X					2 Bottles
543	10/21/06		I-U	RGW	X		X	X	X	X					2 Bottles
548	10/21/06		I-Q	RGW	X		X	X	X	X					2 Bottles
551	10/21/06		I-F	RGW	X		X	X	X	X					2 Bottles
553	10/21/06		I-N	RGW	X		X	X	X	X					2 Bottles
555	10/21/06		I-E	RGW	X		X	X	X	X					2 Bottles
558	10/21/06		I-M	RGW	X		X	X	X	X					2 Bottles
6002	10/21/06		I-D	RGW	X		X	X	X	X					2 Bottles
6004	10/21/06		I-C	RGW	X		X	X	X	X					2 Bottles
6006	10/21/06		I-S	RGW	X		X	X	X	X					2 Bottles

Reported by Weight:
SO = Soil
SL = Sludge

Reported by Volume:
CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

Reported by Weight:
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

RGW = Raw Ground Water
RSW = Raw Surface Water

SIGNATURE: **Michele Brown** PRINT NAME: **Michele Brown** COMPANY/TITLE: **Veolia Water NA for Tronox LLC - Henderson Plant**

RELINQUISHED BY: **Michele Brown** RECEIVED BY: _____ DATE: **10-31-06** TIME: **12:00PM**

RELINQUISHED BY: _____ RECEIVED BY: _____



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

MWLABS USE ONLY:

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME PROJECT JOB # / P.O.# (check for yes)

KERRMCGEE-MP Quantify Groundwater Sampling Schedule B

Sampler Michelle Brown Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009

Susan Crowley (702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
1130	10-31-06		M-64	RGW	X		X	X	X	X					2 Bottles
1145	10-31-06		M-65	RGW	X		X	X	X	X					2 Bottles
1159	10-31-06		M-66	RGW	X		X	X	X	X					2 Bottles
811	10-31-06		M-57A	RGW	X		X	X	X	X					2 Bottles
835	10-31-06		M-98	RGW	X		X	X	X	X					2 Bottles
846	10-31-06		M-99	RGW	X		X	X	X	X					2 Bottles
905	10-31-06		M-69	RGW	X		X	X	X	X					2 Bottles
930	10-31-06		M-79	RGW	X		X	X	X	X					2 Bottles
1223	10-31-06		EB-1	RGW	X		X	X	X	X	X				2 Bottles
1104	10-31-06		M-10	RGW	X		X	X	X	X	X	X			3 Bottles
215	10-31-06		M-11	RGW	X		X	X	X	X	X	X			5 Bottles
				RGW	X		X	X	X	X					5 Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water
 Reported by Weight: CWW = Chlorinated Waste Water WW = Other Waste Water SW = Storm Water
 RGW = Raw Ground Water RSW = Raw Surface Water

RELINQUISHED BY: Michelle Brown SIGNATURE
 RECEIVED BY: _____
 RELINQUISHED BY: _____
 RECEIVED BY: _____

COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant
 PRINT NAME: Michelle Brown
 DATE: 10-31-06
 TIME: 12:00PM



MONTGOMERY WATSON LABORATORIES

CHAIN OF CUSTODY RECORD

750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

M/LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#
Quarterly Groundwater Sampling

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

SAMPLER

Michele Brown

Schedule B

MATRIX *

Tronox, LLC - Henderson Plant
PO Box 65
Henderson, NV 89009

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

GRAB

COMP

IDENTIFIER, STATE ID#

LOCATION

TIME DATE

See Bottle Order

CL03 9056

NO3 9056

GRV1 7196

CL04

TDS

PH 9040

GR 6010

SAMPLER Comments

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	GR 6010	PH 9040	TDS	CL04	GRV1 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
1020	11-1-06		M-67	RGW	X		X	X	X	X					2 Bottles
1034	11-1-06		M-113	RGW	X		X	X	X	X					2 Bottles
1055	11-1-06		M-114	RGW	X		X	X	X	X					2 Bottles
943	11-1-06		I-K	RGW	X		X	X	X	X					2 Bottles
950	11-1-06		I-J	RGW	X		X	X	X	X					2 Bottles
986	11-1-06		I-Z	RGW	X		X	X	X	X					2 Bottles
1002	11-1-06		I-I	RGW	X		X	X	X	X					2 Bottles
1005	11-1-06		I-V	RGW	X		X	X	X	X					2 Bottles
1116	11-1-06		M-88	RGW	X		X	X	X	X					2 Bottles
1134	11-1-06		M-12A	RGW	X		X	X	X	X					2 Bottles
1141	11-1-06		EP-2	RGW	X		X	X	X	X					3 Bottles

* MATRIX TYPES:

Reported by Volume:
CFW = Chlor(amine)ated Finished Water
FW = Other Finished Water

Reported by Weight:
SO = Soil
SL = Sludge

Reported by Weight:
CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SIGNATURE

PRINT NAME

COMPANY/TITLE

DATE

TIME

RELINQUISHED BY:

Michele Brown

Michele Brown

Veolia Water NA for Tronox LLC - Henderson Plant

11-1-06 12:00PM

RECEIVED BY:

RECEIVED BY:

RECEIVED BY:



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016

(626) 386-1100 (800) 566-5227

MWLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME

PROJECT JOB # / P.O.#

Quarterly Groundwater Sampling

Schedule B

Sampler Michele Brown

Michele Brown

Tronox LLC - Henderson Plant

PO Box 55

Henderson, NV 89009

(702) 651-2234

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

(check for yes)

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample line)

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRV1 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
553	11-1-06		M-92	RGW	X		X	X	X	X					2 Bottles
608	11-1-06		M-97	RGW	X		X	X	X	X					2 Bottles
627	11-1-06		M-93	RGW	X		X	X	X	X					2 Bottles
656	11-1-06		M-31A	RGW	X		X	X	X	X					2 Bottles
---	11-1-06		M-32	RGW	X		X	X	X	X				Well DRY NO SAMPLE	2 Bottles
720	11-1-06		M-50	RGW	X		X	X	X	X					2 Bottles
818	11-1-06		M-34	RGW	X		X	X	X	X					2 Bottles
834	11-1-06		M-35	RGW	X		X	X	X	X					2 Bottles
854	11-1-06		M-19	RGW	X		X	X	X	X					2 Bottles
910	11-1-06		M-39	RGW	X		X	X	X	X					4 Bottles
928	11-1-06		M-68	RGW	X		X	X	X	X					2 Bottles
945	11-1-06		M-61	RGW	X		X	X	X	X					2 Bottles

* MATRIX TYPES:

Reported by Volume:

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

RGW = Raw Ground Water
RSW = Raw Surface Water

CWW = Chlorinated Waste Water
WW = Other Waste Water
SW = Storm Water

Reported by Weight:

SO = Soil
SL = Sludge

SIGNATURE

Michele Brown

PRINT NAME

Michele Brown

COMPANY/TITLE

Veolia Water NA for Tronox LLC - Henderson Plant

TIME

12:00PM

DATE

11-1-06

RELINQUISHED BY:	
RECEIVED BY:	
RELINQUISHED BY:	
RECEIVED BY:	



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MVLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME		PROJECT JOB # / P.O.#	QUARTERLY GROUNDWATER SAMPLING		REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES		(check for yes)								
KERRMCGEE-MP Sampler: Michele Brown		Tronox LLC - Henderson Plant PO Box 55 Henderson, NV 89009	Schedule B												
TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX *	GRAB	COMP	CR 6010	PH 9040	TDS	CL04	CRVI 7196	NO3 9056	CL03 9056	See Bottle Order	SAMPLER Comments
620	11-2-06		M-52	RGW	X		X	X	X	X					2 Bottles
643	11-2-06		M-87	RGW	X		X	X	X	X					2 Bottles
655	11-2-06		M-102	RGW	X		X	X	X	X					2 Bottles
713	11-2-06		M-101	RGW	X		X	X	X	X					2 Bottles
758	11-2-06		M-86	RGW	X		X	X	X	X					2 Bottles
816	11-2-06		M-85	RGW	X		X	X	X	X					2 Bottles
846	11-2-06		M-83	RGW	X		X	X	X	X					2 Bottles
919	11-2-06		M-70	RGW	X		X	X	X	X					2 Bottles
934	11-2-06		M-71	RGW	X		X	X	X	X					2 Bottles
976	11-2-06		M-72	RGW	X		X	X	X	X					2 Bottles
1018	11-2-06		M-38	RGW	X		X	X	X	X					2 Bottles
1015	11-2-06		M-36	RGW	X		X	X	X	X	X	X	X	X	5 Bottles

Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water

Reported by Weight: SO = Soil SL = Sludge

RGW = Raw Ground Water RSW = Raw Surface Water

CWW = Chlorinated Waste Water WW = Other Waste Water SW = Storm Water

RELINQUISHED BY: <i>Michele Brown</i>	SIGNATURE	PRINT NAME: Michele Brown	COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant	DATE: 11-2-06	TIME: 12:00PM
RECEIVED BY:					
RELINQUISHED BY:					
RECEIVED BY:					



CHAIN OF CUSTODY RECORD

MONTGOMERY WATSON LABORATORIES



750 Royal Oaks Ave, Suite 100, Monrovia, CA 91016
(626) 386-1100 (800) 566-5227

MVLABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED/LOGGED IN BY:

SAMPLE TEMP, RECEIPT AT LAB:

BLUE ICE: FROZEN PARTIALLY FROZEN THAWED

TO BE COMPLETED BY SAMPLER:

COMPANY / PROJECT NAME PROJECT JOB # / P.O.# (check for yes)

KERR/MCGEE-MP Quarterly Groundwater Sampling Schedule B

Sampler Michele Brown Tronox LLC - Henderson Plant

Susan Crowley (702) 651-2234 PO Box 55 Henderson, NV 89009

REFER TO ATTACHED BOTTLE ORDER FOR ANALYSES

ANALYSES REQUIRED (mark an 'X' in all tests required for each sample (line))

TIME	DATE	LOCATION	IDENTIFIER, STATE ID#	MATRIX*	GRAB	COMP	CR 6010	PH 9040	TDS	ClO4	CRVI 7196	NO3 9056	ClO3 9056	See Bottle Order	SAMPLER Comments
6016	11-3-06		M-22A	RGW	X		X	X	X	X					2 Bottles
630	11-3-06		M-89	RGW	X		X	X	X	X					2 Bottles
643	11-3-06		M-17A	RGW	X		X	X	X	X					2 Bottles
714	11-3-06		M-116	RGW	X		X	X	X	X					2 Bottles
723	11-3-06		M-115	RGW	X		X	X	X	X					2 Bottles
745	11-3-06		M-115	RGW	X		X	X	X	X					2 Bottles
802	11-3-06		M-14A	RGW	X		X	X	X	X					2 Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles
				RGW	X		X	X	X	X					Bottles

* MATRIX TYPES: Reported by Volume: CFW = Chlor(am)inated Finished Water FW = Other Finished Water
 Reported by Weight: SO = Soil SL = Sludge
 RGW = Raw Ground Water CWW = Chlorinated Waste Water
 RSW = Raw Surface Water WW = Other Waste Water
 SW = Storm Water

RELINQUISHED BY: Michele Brown SIGNATURE
 RECEIVED BY: _____
 RELINQUISHED BY: _____
 RECEIVED BY: _____

COMPANY/TITLE: Veolia Water NA for Tronox LLC - Henderson Plant
 PRINT NAME: Michele Brown
 DATE: 11-3-06
 TIME: 12:00PM



MWH Laboratories, a Division of MWH Americas, Inc.
 750 Royal Oaks Avenue Suite 100
 Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for Ironox, LLC - Henderson Standing

Andrew Eaton Your MWL Project Manager
 (626) 386-1125 Direct Phone/Voice Mail

Client Code KERRMCGEE-MP
 Project Code CLO4
 PO# / Job#
 Blanket PO

Q Quarterly
 Week 1

SO# 30943

Sampler: Please Return this Paper with your samples

Created by ADE
 Order Date 07/06/06
 Date Needed by Client 07/13/06
 Date Samples to Arrive at MWL 07/23/06

Ship Sample Kits to
 Tronox LLC-Veolia Water
 Gate 1
 8000 West Lake Mead Drive
 Henderson, NV 89015

Send Report to
 Ironox, LLC Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

Billing Address
 Ironox, LLC
 P.O. Box 3049
 Livonia, MI 48150

ATTN: Susan Crowley
 PHONE: 702-651-2234

ATTN: Susan Crowley
 PHONE: 702-651-2234
 FAX: 702-651-2310

Bottles-Qty for each sample, type & preservative if any

Quote# ADE

of Samples Tests

Active Code	Status	Date Shipped	Carrier	Qty of Coolers	Tracking Number	Prepared By
101	CR6010					
01	CLO4	EG9050	PH9040	1	250ml poly acid rinsed + 1ml HNO3 (18%)	UN 2031
45	CRVI	196		1	125ml poly (no preservative) AMBERIF WITH I03	
107	TDS			1	25ml poly acid rinsed (no preservative) SHORT HOLDING TIME III	
22	N069056			1	1500ml poly (no preservative)	
22	0103055			1	25ml poly (no preservative) SHORT HOLDING TIME III	
				1	160ml poly (150ml 15% EBX) Soln	

Important Comments
 QUARTERLY SAMPLING - PLEASE PUT LABELS ON BOTTLES; PLEASE PUT IN 4 COOLERS SINCE SAMPLING TAKES 3-4 DAYS
 second quarter only
 NOTIFY LAB AS SOON AS CR-VI COMES IN - 24HR ht
 TDS count increased to 101 effective 6/16/06



MWH Laboratories, a Division of MWH Americas, Inc.
 750 Royal Oaks Avenue Suite 100
 Monrovia CA 91016 (626) 386-1100 FAX (626) 386-1124

Standing Bottle Order for Kerr McGee Chemical Company - Henderson

Client Code KERRMCGEE-MP Q Quarterly Period
 Project Code CLO4
 PO# / Job#
 Blanket PO

Andrew Eaton..... Your MWL Project Manager
 (626) 386-1125..... Direct Phone/Voice Mail

SO# 32046 6529 RS

Sampler: Please Return this Paper with your samples

Created by 0 Ship Sample Kits to
 Order Date 09/11/06
 Date Needed by Client
 Date Samples to Arrive at MWL
 SHIP LOCATION

Send Report to
 Kerr McGee Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

Billing Address
 Kerr McGee Henderson Plant
 P.O. Box 55
 Henderson, NV 89009

ATTN: Susan Crowley
 PHONE: 702-651-2234
 FAX: 702-651-2310
 ATTN: Susan Crowley
 PHONE: 702-651-2234
 FAX: 702-651-2310

Quote#

of Samples Tests Bottles-Qty for each sample, type & preservative if any UN# Important Comments

# of Samples	Tests	Bottles-Qty for each sample, type & preservative if any	UN#	Important Comments
1	CR, MN, FE, B	1 250ml poly acid rinsed + 1ml HNO3 (10%)	UN2031	This is a quarterly sample for the "M-10 by the NPDES permit NV0023060 NO BLUE ICE NEEDED - CLIENT USING WET ICE TO COOL BOTTLES CLIENT CODE CHANGED 7/25/03 changed 12/8/05- dropped Cu, Mo, F as per new permit and changed metals to all ICP
1	CL, TDS, NO3, NO2-N, N-INOR	1 500 ml poly, no preservative SHORT HOLDING TIME!!!!		
1	NH3, NH3-DIST	1 250 ml poly+ 1 ml H2SO4 (50%)	UN2796	

ActiveCode Status Date Shipped Carrier Qty of Coolers Tracking Number Prepared By



Groundwater Field Log

This Section Contains:

- Water Sampling Field Logs

Water Sampling Field Log

Well No.: I- AR

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: 0006

Well Information:

Total Well Depth: 45.00 feet Time: 639

Depth to Water: 29.07 feet

Height of Water Column (L): 15.93 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>640</u>	<u>9.09 mS</u>	<u>23.2°C</u>	<u>7.15</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 641 Time Finished: 641

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-B

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: COOL

Well Information:

Total Well Depth: 45.70 feet Time: 611

Depth to Water: 33.06 feet

Height of Water Column (L): 12.64 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>612</u>	<u>7.10mS</u>	<u>23.10C</u>	<u>7.18</u> 23.11 MB	<u>Clear</u>

Sample Appearance: Clear

Sample Collection - Time Start: 615 Time Finished: 615

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-C

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 602

Depth to Water: 32.81 feet

Height of Water Column (L): 10.99 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>603</u>	<u>10.35 mS</u>	<u>22.3°C</u>	<u>7.25</u>	<u>Very light yellow</u>

Sample Appearance: very light yellow

Sample Collection - Time Start: 604 Time Finished: 604

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-D

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 600

Depth to Water: 28.94 feet

Height of Water Column (L): 18.76 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>601</u>	<u>10.74 mS</u>	<u>22.7°C</u>	<u>7.16</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 602 Time Finished: 602

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- E

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 46.70 feet Time: 553

Depth to Water: 43.83 feet

Height of Water Column (L): 2.87 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>554</u>	<u>11.24 mS</u>	<u>22.8°</u>	<u>6.89</u>	<u>Very light yellow</u>

Sample Appearance: Very light yellow

Sample Collection - Time Start: 555 Time Finished: 555

Analyses: pH / ClO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-F

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.80 feet Time: 5:49

Depth to Water: 26.02 feet

Height of Water Column (L): 19.78 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>550</u>	<u>14.89 mS</u>	<u>23.0°C</u>	<u>6.99</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 551 Time Finished: 551

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments: _____

Water Sampling Field Log

Well No.: I-9

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 42.60 feet Time: _____

Depth to Water: 28.80 feet

Height of Water Column (L): 13.80 feet

No sample taken O/S

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
_____	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-F-H

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: POOL

Well Information:

Total Well Depth: 46.50 feet Time: 539

Depth to Water: 33.71 ~~29~~ feet

Height of Water Column (L): 12.79 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:40</u>	<u>16.70 mS</u>	<u>23.7°C</u>	<u>6.83</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 541 Time Finished: 541

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-I

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 44.20 feet Time: 10:00

Depth to Water: 24.14 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>10:01</u>	<u>13.01ms</u>	<u>7.18</u>	<u>24.0°c</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 1002 Time Finished: 1002

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: ~~MB~~ 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: pool

Well Information:

Total Well Depth: 44.50 feet Time: 9:48

Depth to Water: 42.15 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>9:49</u>	<u>6.82 ms</u>	<u>23.3°C</u>	<u>7.28</u>	<u>light yellow tinge</u>

Sample Appearance: light yellow tinge

Sample Collection - Time Start: 9:50 Time Finished: 9:50

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-K

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 31.70 feet Time: 938

Depth to Water: 36.33 feet

Height of Water Column (L): _____ feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>9:39</u>	<u>688 μS</u>	<u>23.2 $^{\circ}$C</u>	<u>7.39</u>	<u>clear</u>

Sample Appearance: _____

Sample Collection - Time Start: 940 Time Finished: 940

Analyses: pH / ClO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-L

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 4340 feet Time: 606

Depth to Water: 25.63 feet

Height of Water Column (L): 17.77 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>607</u>	<u>8.89 mS</u>	<u>23.2^oC</u>	<u>6.96</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 609 Time Finished: 609

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-M

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.70 feet Time: 556

Depth to Water: 29.85 feet

Height of Water Column (L): 13.85 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>557</u>	<u>10.94 mS</u>	<u>22.9°C</u>	<u>7.07</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 558 Time Finished: 558

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-N

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 41.70 feet Time: 551

Depth to Water: 29.12 feet

Height of Water Column (L): 12.58 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>552</u>	<u>12.38 mS</u>	<u>22.3°C</u>	<u>6.93</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 553 Time Finished: 553

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-J-0

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 531

Depth to Water: 37.80 feet

Height of Water Column (L): 6.00 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>532</u>	<u>1464 μS</u>	<u>21.5$^{\circ}$C</u>	<u>6.56</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 533 Time Finished: 533

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-I-P

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 41.80 feet Time: 536

Depth to Water: 41.80 feet

Height of Water Column (L): 6.00 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>537</u>	<u>1624 mS</u>	<u>21.7°C</u>	<u>6.75</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 539 Time Finished: 539

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Q

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 43.80 feet Time: 5:46

Depth to Water: 29.28 feet

Height of Water Column (L): 14.52 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>547</u>	<u>17.06 mS</u>	<u>25.1°C</u>	<u>6.96</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 548 Time Finished: 548

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-R

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 45.30 feet Time: 609

Depth to Water: 34.23 feet

Height of Water Column (L): 11.07 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>610</u>	<u>9.35mS</u>	<u>22.9°C</u>	<u>6.96</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 611 Time Finished: 611

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: 1-S

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 604

Depth to Water: 28.66 feet

Height of Water Column (L): 19.04 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>605</u>	<u>8.69 mS</u>	<u>22.7°C</u>	<u>7.27</u>	<u>clear</u>

Sample Appearance: clear

Sample Collection - Time Start: 606 Time Finished: 606

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- 4-T

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.80 feet Time: _____

Depth to Water: 28.66 feet

Height of Water Column (L): 19.14 feet

*ds
NO SAMPLE
taken*

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
_____	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS

Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- U

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: Cool

Well Information:

Total Well Depth: 47.60 feet Time: 541

Depth to Water: 41.67 feet

Height of Water Column (L): 5.93 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>5:42</u>	<u>16.80 mS</u>	<u>23.8°C</u>	<u>6.75</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 543 Time Finished: 543

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I-√

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 47.70 feet Time: 10:03

Depth to Water: 31.33 feet

Height of Water Column (L): 16.37 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>1004</u>	<u>13.49mS</u>	<u>23.8°C</u>	<u>7.25</u>	<u>yellow</u>

Sample Appearance: yellow

Sample Collection - Time Start: 1005 Time Finished: 1005

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: I- Z

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Sample taken from spigot on treatment system discharge line

Weather Conditions: cool

Well Information:

Total Well Depth: 37.00 feet Time: 952

Depth to Water: 34.00 feet

Height of Water Column (L): 3.0 feet

Field Measurements:

Time	Specific Conductivity	Temperature	pH	Observations
<u>955</u>	<u>251 mS</u>	<u>23.4°C</u>	<u>7.30</u>	<u>light yellow</u>

Sample Appearance: light yellow

Sample Collection - Time Start: 956 Time Finished: 956

Analyses: pH / CLO4 / CR / TDS
Bottles: 2 Bottles

Comments:

Water Sampling Field Log

Well No.: M-10

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" @

Weather Conditions: Warm

Well Information:

Total Well Depth: 69.45 feet Time: 950

Depth to Water: 48.72 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 20.73 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 30.4 gal. * 3 = 91

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1000	---	---	---	---	
1025	30 gal	7.11	4.04 mS	24.5°C	Very slightly cloudy.
1044	60 gal	7.40	4.01 mS	24.2°C	Clear
1102	91 gal	7.34	3.96 mS	24.5°C	Clear
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1104 Time Finished: 1104

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments: *extra cooler collected NPDES*

Water Sampling Field Log

Well No.: M-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" ®

Weather Conditions: Warm

Well Information:

Total Well Depth: 58.00 feet Time: 1123

Depth to Water: 43.38 feet

Well Diameter (circle one) Well Volume (WV) Purge Factor Purge Volume
 2-in. 4-in. 6-in. = 21.49 gal. * 3 = 65 gal

Height of Water Column (L): 14.62 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1130</u>	---	---	---	---	
<u>1139</u>	<u>22</u> gal	<u>7.83</u>	<u>4.21</u> mS	<u>24.7</u> °C	<u>Very slight yellow tint</u>
<u>1155</u>	<u>42</u> gal	<u>7.84</u>	<u>4.23</u> mS	<u>25.1</u> °C	<u>same</u>
<u>1213</u>	<u>63</u> gal	<u>7.81</u>	<u>4.17</u> mS	<u>24.2</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 1215 Time Finished: 1215

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments: EB-1 taken here 3 btl 1223

Dup EC reading taken here

Water Sampling Field Log

Well No.: M-12A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 58°F

Well Information:

Total Well Depth: 50.00 feet Time: 1124

Depth to Water: 42.35 feet

Well Diameter (circle one): 2-in. 4-in. 6-in.

Height of Water Column (L): 7.65 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.22 gal. * 3 = 4 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1127</u>	---	---	---	---	---
<u>1129</u>	<u>2 gal</u>	<u>7.82</u>	<u>9.14 mS</u>	<u>21.9°C</u>	<u>yellow</u>
<u>1131</u>	<u>3 gal</u>	<u>7.76</u>	<u>8.89 mS</u>	<u>22.9°C</u>	<u>yellow</u>
<u>1132</u>	<u>4 gal</u>	<u>7.71</u>	<u>8.80 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---

Sample Appearance: light yellow

Sample Collection - Time Start: 1134 Time Finished: 1134

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR

Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments: EB-2 taken here 3 bottles 1141

Water Sampling Field Log

Well No.: M-14A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 42.40 feet Time: 152

Depth to Water: 32.08 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Height of Water Column (L): 10.32 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.65 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>754</u>	---	---	---	---	
<u>756</u>	<u>2 gal</u>	<u>7.47</u>	<u>4.45 mS</u>	<u>22.1°</u>	<u>cloudy</u>
<u>759</u>	<u>4 gal</u>	<u>7.42</u>	<u>4.44 mS</u>	<u>22.3°</u>	<u>clearing</u>
<u>800</u>	<u>5 gal</u>	<u>7.40</u>	<u>4.42 mS</u>	<u>23.0°</u>	<u>slightly cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: slightly cloudy

Sample Collection - Time Start: 802 Time Finished: 802

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: Dup EC reading taken here
4.43
23.2°c

Water Sampling Field Log

Well No.: M-17A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 37.00 feet Time: 6:37
 Depth to Water: 33.04 feet
 Height of Water Column (L): 396 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .63 gal. * 3 = 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:38</u>	---	---	---	---	---
<u>6:40</u>	<u>1 gal</u>	<u>7.04</u>	<u>13.89 mS</u>	<u>19.7°C</u>	<u>yellowish very cloudy</u>
<u>6:41</u>	<u>1.5 gal</u>	<u>7.04</u>	<u>14.42 mS</u>	<u>21.0°C</u>	<u>yellow clearer</u>
<u>6:42</u>	<u>2 gal</u>	<u>7.05</u>	<u>14.58 mS</u>	<u>21.4°C</u>	<u>yellow slightly cloudy</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: yellow very slightly cloudy

Sample Collection -

Time Start: 6:43 Time Finished: 6:43

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 TOTAL BOTTLES: 2
2 bottles

Comments:

Water Sampling Field Log

Well No.: M-18

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 29.80 feet Time: 11:00

Depth to Water: 28.30 feet

Height of Water Column (L): 1.50 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .24 gal. * 3 = _____

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	Well considered dry; no sample taken
_____	_____ gal	_____	_____	_____	
_____	_____ gal	_____	_____	_____	
_____	_____ gal	_____	_____	_____	
_____	_____ gal	_____	_____	_____	
_____	_____ gal	_____	_____	_____	

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-19

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: COOL

Well Information:

Total Well Depth: 41.20 feet Time: 8:42

Depth to Water: 35.72 feet

Height of Water Column (L): 5.48 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .87 gal. * 3 = 3 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>846</u>	---	---	---	---	---
<u>848</u>	<u>1 gal</u>	<u>7.80</u>	<u>3.78 mS</u>	<u>20.8°C</u>	<u>clear</u>
<u>849</u>	<u>2 gal</u>	<u>7.52</u>	<u>4.59 mS</u>	<u>21.2°C</u>	<u>clear</u>
<u>850</u>	<u>3 gal</u>	<u>7.45</u>	<u>5.31 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>851</u>	<u>4 gal</u>	<u>7.39</u>	<u>5.50 mS</u>	<u>21.7°C</u>	<u>clear</u>
<u>852</u>	<u>5 gal</u>	<u>7.37</u>	<u>5.59 mS</u>	<u>21.9°C</u>	<u>clear</u>
	<u>gal</u>				

Sample Appearance: _____

Sample Collection - Time Start: 854 Time Finished: 854

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 TOTAL BOTTLES: 2
2 bottles

Comments: Removed bailer to near DTW

Water Sampling Field Log

Well No.: M-22A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: COOL 51°F

Well Information:

Total Well Depth: 36.92 feet Time: 6:04

Depth to Water: 30.13 feet

Height of Water Column (L): 6.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.03 gal. * 3 = 3 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:05</u>	---	---	---	---	---
<u>6:09</u>	<u>1 gal</u>	<u>6.98</u>	<u>15.10 mS</u>	<u>18.9°C</u>	<u>yellow</u>
<u>6:11</u>	<u>2 gal</u>	<u>6.93</u>	<u>15.60 mS</u>	<u>21.1°C</u>	<u>yellow</u>
<u>6:13</u>	<u>3 gal</u>	<u>6.97</u>	<u>15.64 mS</u>	<u>22.2°C</u>	<u>yellow</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: yellow

Sample Collection - Time Start: 6:16 Time Finished: 6:16

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-23

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: WARM 74°F

Well Information:

Total Well Depth: 44.47 feet Time: 11:36
 Depth to Water: 24.98 feet
 Height of Water Column (L): 19.49 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.11 gal. * 3 = 9 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (VV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1137</u>	---	---	---	---	
<u>1140</u>	<u>3 gal</u>	<u>7.47</u>	<u>5.56 mS</u>	<u>25.8°C</u>	<u>clear</u>
<u>1142</u>	<u>6 gal</u>	<u>7.39</u>	<u>5.50 mS</u>	<u>24.7°C</u>	<u>clear</u>
<u>1144</u>	<u>9 gal</u>	<u>7.35</u>	<u>5.33 mS</u>	<u>24.3°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 1145 Time Finished: 1145

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-25

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Warm 64°F

Well Information:

Total Well Depth: 41.47 feet Time: 1110

Depth to Water: 32.18 feet

	Well Diameter (circle one)		Well Volume (WV)	Purge Factor	Purge Volume
	<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.				

Height of Water Column (L): 9.29 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.48 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1113</u>	---	---	---	---	
<u>1115</u>	<u>2 gal</u>	<u>6.92</u>	<u>10.30 mS</u>	<u>23.5°C</u>	<u>light yellow</u>
<u>1116</u>	<u>3 gal</u>	<u>7.00</u>	<u>10.37 mS</u>	<u>23.7°C</u>	<u>light yellow</u>
<u>1118</u>	<u>4 gal</u>	<u>7.04</u>	<u>10.43 mS</u>	<u>23.7°C</u>	<u>light yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 1119 Time Finished: 1119

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-31A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump O Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool 52°F

Well Information:

Total Well Depth: 55.00 feet Time: 648

Depth to Water: 47.03 feet

Height of Water Column (L): 7.97 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) * Purge Factor = Purge Volume
 = 1.27 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>650</u>	---	---	---	---	
<u>652</u>	<u>2 gal</u>	<u>7.21</u>	<u>9.46 mS</u>	<u>19.8°C</u>	<u>light yellow</u>
<u>653</u>	<u>3 gal</u>	<u>7.10</u>	<u>10.12 mS</u>	<u>21.3°C</u>	<u>light yellow</u>
<u>654</u>	<u>4 gal</u>	<u>7.09</u>	<u>10.27 mS</u>	<u>21.7°C</u>	<u>light yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 6:56 Time Finished: 656

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-32

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 46.76 feet Time: 701

Depth to Water: _____ feet

Well Diameter (circle one)	Well Volume (WV)	Purge Factor	Purge Volume
<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.			

Height of Water Column (L): _____ feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	gal				
	gal		Will Dry		
	gal				
	gal			NO SAMPLE	
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-34

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 41.83 feet Time: 810

Depth to Water: 37.63 feet

Well Diameter (circle one) 2-in 4-in 6-in

Height of Water Column (L): 4.20 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 167 gal. * 3 = 2 gal

Well Volume (WV) _____ Purge Factor _____ Purge Volume _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>813</u>	---	---	---	---	
<u>814</u>	<u>1</u> gal	<u>7.32</u>	<u>12.11 mS</u>	<u>20.9°C</u>	<u>light yellow</u>
<u>815</u>	<u>1.5</u> gal	<u>7.18</u>	<u>12.12 mS</u>	<u>21.5°C</u>	<u>yellow</u>
<u>816</u>	<u>2</u> gal	<u>7.15</u>	<u>12.14 mS</u>	<u>21.7°C</u>	<u>yellow</u>
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: yellow

Sample Collection - Time Start: 818 Time Finished: 818

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-35

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 42.33 feet Time 826

Depth to Water: 35.67 feet

	Well Diameter (circle one)				
	<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.				
Height of Water Column (L):	<u>6.66</u> feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= <u>1.06</u> gal. * <u>3</u> = <u>3 gal</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>828</u>	---	---	---	---	
<u>830</u>	<u>1</u> gal	<u>7.11</u>	<u>9.19 mS</u>	<u>22.4°C</u>	<u>Very light yellow</u>
<u>831</u>	<u>2</u> gal	<u>7.06</u>	<u>9.13 mS</u>	<u>23.9°C</u>	<u>same</u>
<u>832</u>	<u>3</u> gal	<u>7.06</u>	<u>9.96 mS</u>	<u>24.7°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: Very light yellow

Sample Collection - Time Start: 834 Time Finished: 834

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-36

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: _____

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Warm

Well Information:

Total Well Depth: 39.85 feet Time: 959

Depth to Water: 31.90 feet

Height of Water Column (L): 5.95 feet * 2-in. 0.16 gal/ft * 4-in. 0.65 gal/ft * 6-in. 1.47 gal/ft = 95 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>959</u>	---	---	---	---	---
<u>1003</u>	<u>1 gal</u>	<u>7.0</u>	<u>16.59 mS</u>	<u>23.7°</u>	<u>yellow</u>
<u>1008</u>	<u>2 gal</u>	<u>6.98</u>	<u>16.63 mS</u>	<u>23.3°</u>	<u>yellow</u>
<u>1012</u>	<u>3 gal</u>	<u>7.03</u>	<u>16.51 mS</u>	<u>23.4°</u>	<u>yellow</u>
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---
---	<u>gal</u>	---	---	---	---

Sample Appearance: yellow

Sample Collection - Time Start: 1015 Time Finished: 1015

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 5

Comments: now deal with due to bacteria

Water Sampling Field Log

Well No.: M-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Windy 64°F

Well Information:

Total Well Depth: 37.18 feet Time: 1059

Depth to Water: 31.08 feet

Height of Water Column (L): 6.10 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 97 gal. * 3 = 3 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1100</u>	---	---	---	---	---
<u>1101</u>	<u>1 gal</u>	<u>7.29</u>	<u>8.11 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>1103</u>	<u>2 gal</u>	<u>7.10</u>	<u>8.53 mS</u>	<u>24.0°C</u>	<u>clear</u>
<u>1104</u>	<u>3 gal</u>	<u>7.07</u>	<u>8.66 mS</u>	<u>24.2°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 1105 Time Finished: 1105

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 5

Comments:

Water Sampling Field Log

Well No.: M-38

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 1-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: warm

Well Information:

Total Well Depth: 36.82 feet Time: 1003

Depth to Water: 31.01 feet

Height of Water Column (L): 5.81 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .92 gal. * 3 = 3 gal.

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1004</u>	---	---	---	---	---
<u>1004</u>	<u>1 gal</u>	<u>7.03</u>	<u>14.31 mS</u>	<u>23.3°</u>	<u>yellow</u>
<u>1010</u>	<u>2 gal</u>	<u>7.10</u>	<u>14.67 mS</u>	<u>22.8°</u>	<u>yellow</u>
<u>1015</u>	<u>3 gal</u>	<u>7.12</u>	<u>14.66 mS</u>	<u>23.1°</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection - Time Start: 1018 Time Finished: 1018

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: non dead bailer - due to location

Water Sampling Field Log

Well No.: M-39

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Cool

Well Information:

Total Well Depth: 42.60 feet Time: 901

Depth to Water: 31.53 feet

Height of Water Column (L): 11.07 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.77 gal. * 3 = 5 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>903</u>	---	---	---	---	---
<u>906</u>	<u>2 gal</u>	<u>7.27</u>	<u>7.69 mS</u>	<u>22.3°C</u>	<u>Very slight yellow</u>
<u>908</u>	<u>4 gal</u>	<u>7.17</u>	<u>7.71 mS</u>	<u>23.2°C</u>	<u>even lighter yellow</u>
<u>909</u>	<u>5 gal</u>	<u>7.10</u>	<u>7.72 mS</u>	<u>23.5°C</u>	<u>same</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: slight yellow tint

Sample Collection - Time Start: 910 Time Finished: 910

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: WARM

Well Information:

Total Well Depth: 37.65 feet Time: 12:12

Depth to Water: 18.40 feet

Well Diameter (circle one) 2-in. 4-in. 6-in

Height of Water Column (L): 19.25 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.08 gal. * 3 = 9 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>12:13</u>	---	---	---	---	---
<u>12:16</u>	<u>3 gal</u>	<u>7.53</u>	<u>9.51 mS</u>	<u>23.4°C</u>	<u>clear</u>
<u>12:18</u>	<u>6 gal</u>	<u>7.46</u>	<u>9.36 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>12:20</u>	<u>9 gal</u>	<u>7.45</u>	<u>9.43 mS</u>	<u>23.8°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 12:22 Time Finished: 12:22

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 3

Comments: FB-1 taken here 12:15

Water Sampling Field Log

Well No.: M-48

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump YMB Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: Warm

Well Information:

Total Well Depth: 38.59 feet Time: 9:59

Depth to Water: 23.90 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 14.69 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.35 gal. * 3 = 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>9:59</u>	---	---	---	---	
<u>10:09</u>	<u>2</u> gal	<u>7.13</u>	<u>3.48 mS</u>	<u>23.5°C</u>	<u>clear</u>
<u>10:12</u>	<u>4</u> gal	<u>7.65</u>	<u>3.47 mS</u>	<u>22.5°C</u>	<u>clear</u>
<u>10:17</u>	<u>7</u> gal	<u>7.60</u>	<u>3.56 mS</u>	<u>22.8°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection Time Start: 10:18 Time Finished: 10:18

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments: hand bailed w/ sed bailer debris in way of access

Water Sampling Field Log

Well No.: M-50

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 62.15 feet Time: 707

Depth to Water: 46.65 feet

Well Diameter (circle one)
 2-in 4-in 6-in

Height of Water Column (L): 1.55 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.48 gal. * 3 = 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>710</u>	----	----	----	----	
<u>712</u>	<u>2</u> gal	<u>7.14</u>	<u>14.97 mS</u>	<u>18.7°C</u>	<u>yellow</u>
<u>715</u>	<u>4</u> gal	<u>7.12</u>	<u>14.93 mS</u>	<u>20.0°C</u>	<u>yellow</u>
<u>718</u>	<u>4</u> gal	<u>7.10</u>	<u>14.20 mS</u>	<u>20.2°C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 720 Time Finished: 720

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-52

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool 53°F

Well Information: _____

Total Well Depth: 47.38 feet Time: 6:04

Depth to Water: 40.87 feet

Height of Water Column (L): 6.51 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.04 gal. * 3 = 3 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:09</u>	---	---	---	---	---
<u>6:11</u>	<u>1 gal</u>	<u>6.56</u>	<u>8.41 mS</u>	<u>19.3°C</u>	<u>cloudy yellow</u>
<u>6:13</u>	<u>2 gal</u>	<u>6.91</u>	<u>7.75 mS</u>	<u>19.8°C</u>	<u>light yellow slightly cloudy</u>
<u>6:16</u>	<u>3 gal</u>	<u>7.03</u>	<u>7.94 mS</u>	<u>20.0°C</u>	<u>clear light yellow</u>
<u>6:19</u>	<u>4 gal</u>	<u>7.15</u>	<u>7.84 mS</u>	<u>20.0°C</u> <u>(MS)</u>	<u>light yellow</u>
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear light yellow

Sample Collection - Time Start: 6:20 Time Finished: 6:20

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-57A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 42.40 feet Time: 804

Depth to Water: 29.23 feet

Height of Water Column (L): 13.17 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.10 gal. * 3 = 6 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
805	---	---	---	---	
807	2 gal	7.46	4.14 mS	21.9°C	clear
809	4 gal	7.45	4.18 mS	23.0°C	clear
810	6 gal	7.46	4.19 mS	23.2°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 811 Time Finished: 811

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: ED-1 taken here
3 bottles
NO to early for cert
(signature)

Water Sampling Field Log

Well No.: M-61

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: 000L

Well Information:

Total Well Depth: 41.00 feet Time: 933

Depth to Water: 24.78 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 16.22 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.59 gal. * 3 = 8 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
935	---	---	---	---	---
937	3 gal	7.33	6.16mS	23.4°C	clear
939	6 gal	7.25	6.30mS	23.7°C	clear
942	8 gal	7.24	6.33mS	23.1°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection Time Start: 945 Time Finished: 945

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 TOTAL BOTTLES: 2
2 bottles

Comments:

Water Sampling Field Log

Well No.: M-64

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 38.00 feet Time: 705

Depth to Water: 29.84 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Height of Water Column (L): 8.16 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.30 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>708</u>	-----	-----	-----	-----	
<u>713</u>	<u>1 gal</u>	<u>7.28</u>	<u>3.68 mS</u>	<u>21.1°C</u>	<u>muddy</u>
<u>715</u>	<u>2 gal</u>	<u>7.28</u>	<u>5.13 mS</u>	<u>21.8°C</u>	<u>muddy</u>
<u>724</u>	<u>4 gal</u>	<u>7.37</u>	<u>6.34 mS</u>	<u>20.9°C</u>	<u>muddy</u>
<u>726</u>	<u>5 gal</u>	<u>7.36</u>	<u>6.85 mS</u>	<u>22.3°C</u>	<u>clearer but silty</u>
<u>729</u>	<u>6 gal</u>	<u>7.36</u>	<u>7.40 mS</u>	<u>21.2°C</u>	<u>same</u>
	gal				

Sample Appearance: dark silt in sample

Sample Collection - Time Start: 730 Time Finished: 730

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-65

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 40.00 feet Time: 736

Depth to Water: 29.23 feet

Height of Water Column (L): 10.77 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.72 gal. * 3 = 5 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV)	Purge Factor	Purge Volume
= 1.72 gal.	* 3	= 5 gal

Field Measurements: Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:38</u>	---	---	---	---	
<u>7:41</u>	<u>2</u> gal	<u>7.08</u>	<u>16.38mS</u>	<u>21.0°C</u>	<u>yellow</u>
<u>7:43</u>	<u>4</u> gal	<u>6.88</u>	<u>16.22mS</u>	<u>22.0°C</u>	<u>yellow</u>
<u>7:44</u>	<u>5</u> gal	<u>6.86</u>	<u>16.59mS</u>	<u>22.8°C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 745 Time Finished: 745

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles **TOTAL BOTTLES: 2**

Comments:

Water Sampling Field Log

Well No.: M-166

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 43.00 feet Time: 7:51

Depth to Water: 30.60 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (VV) Purge Factor Purge Volume
 Height of Water Column (L): 12.94 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.07 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>753</u>	---	---	---	---	
<u>755</u>	<u>2</u> gal	<u>6.77</u>	<u>16.91 mS</u>	<u>22.2°C</u>	<u>yellow</u>
<u>756</u>	<u>4</u> gal	<u>6.72</u>	<u>16.78 mS</u>	<u>23.1°C</u>	<u>yellow</u>
<u>758</u>	<u>6</u> gal	<u>6.71</u>	<u>16.83 mS</u>	<u>22.8°C</u>	<u>yellow</u>
	gal				
	gal				
	gal				

Sample Appearance: yellow

Sample Collection - Time Start: 759 Time Finished: 759

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-67

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 38.00 feet Time: 1010

Depth to Water: 22.85 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 15.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.42 gal. * 3 = 7.26 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1012</u>	---	---	---	---	
<u>1014</u>	<u>2</u> gal	<u>7.24</u>	<u>8.04 mS</u>	<u>23.4°C</u>	<u>light yellow tinge</u>
<u>1016</u>	<u>4</u> gal	<u>7.19</u>	<u>8.04 mS</u>	<u>24.1°C</u>	<u>same</u>
<u>1018</u>	<u>7</u> gal	<u>7.16</u>	<u>7.98 mS</u>	<u>24.2°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: light yellow tinge

Sample Collection - Time Start: 1020 Time Finished: 1020

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-1e8

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool 56°F

Well Information:

Total Well Depth: 41.00 feet Time: 916

Depth to Water: 25.61 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 15.39 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.46 gal. * 3 = 7 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>917</u>	---	---	---	---	
<u>920</u>	<u>2</u> gal	<u>7.46</u>	<u>7.14</u> mS	<u>22.4</u> °C	<u>clear</u>
<u>923</u>	<u>4</u> gal	<u>7.32</u>	<u>7.15</u> mS	<u>23.0</u> °C	<u>clear</u>
<u>926</u>	<u>7</u> gal	<u>7.38</u>	<u>7.17</u> mS	<u>23.3</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 928 Time Finished: 928

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-69

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: COOL

Well Information:

Total Well Depth: 40.00 feet Time: 856

Depth to Water: 30.50 feet

Height of Water Column (L): 9.50 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.52 gal. * 3 = 5 gal.

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>858</u>	-----	-----	-----	-----	
<u>900</u>	<u>2</u> gal	<u>7.30</u>	<u>6.03ms</u>	<u>23.5°C</u>	<u>clear</u>
<u>902</u>	<u>4</u> gal	<u>7.21</u>	<u>6.02ms</u>	<u>23.1°C</u>	<u>clear</u>
<u>903</u>	<u>5</u> gal	<u>7.15</u>	<u>6.02ms</u>	<u>23.4°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 905 Time Finished: 905

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-70

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: warm 61°F

Well Information:

Total Well Depth: 41.00 feet Time: 910

Depth to Water: 27.66 feet

Well Diameter (circle one) 2-in 4-in. 6-in.

Height of Water Column (L): 13.34 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.13 gal. * 3 = 6 gal

Well Volume (VV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
913	---	---	---	---	
914	2 gal	7.18	10.10 mS	22.2°C	light yellow
915	4 gal	7.03	9.77 mS	23.1°C	light yellow
917	6 gal	7.01	9.92 mS	23.3°C	light yellow
	gal				
	gal				
	gal				

Sample Appearance: light yellow

Sample Collection - Time Start: 919 Time Finished: 919

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: M-71

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Warm

Well Information:

Total Well Depth: 43.60 feet Time: 923

Depth to Water: 27.94 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 15.06 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.40 gal. * 3 = 7 gallon

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>925</u>	---	---	---	---	
<u>928</u>	<u>2 gal</u>	<u>7.10</u>	<u>8.26 mS</u>	<u>22.7°C</u>	<u>light yellow</u>
<u>930</u>	<u>4 gal</u>	<u>7.03</u>	<u>8.17 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
<u>933</u>	<u>7 gal</u>	<u>7.04</u>	<u>8.15 mS</u>	<u>22.9°C</u>	<u>light yellow</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: _____

Sample Collection - Time Start: 934 Time Finished: 934

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-72

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump @ Dedicated Bailer O Non Dedicated Bailer O Ready Flo 2" O

Weather Conditions: Warm

Well Information: _____

Total Well Depth: 316.00 feet Time: 936

Depth to Water: 30.24 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume
 = .92 gal. * 3 = 3 gal

Height of Water Column (L): 5.76 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements: Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
938	---	---	---	---	
939	1 gal	7.08	8.49 mS	21.7°C	faint yellow tint
941	2 gal	7.0	9.59 mS	22.3°C	same
942	3 gal	7.02	9.43 mS	22.5°C	same
944	4 gal	7.07	10.35 mS	22.7°C	slightly cloudy
	gal				
	gal				

Sample Appearance: slightly cloudy light yellow

Sample Collection - Time Start: 946 Time Finished: 946

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 56°

Well Information:

Total Well Depth: 36.00 feet Time: 10:24

Depth to Water: 28.70 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 7.3 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.16 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1026</u>	---	---	---	---	---
<u>1029</u>	<u>2 gal</u>	<u>7.65</u>	<u>3.95 mS</u>	<u>22.4°c</u>	<u>slightly salty</u>
<u>1030</u>	<u>3 gal</u>	<u>7.62</u>	<u>3.79 mS</u>	<u>22.8°c</u>	<u>same</u>
<u>1032</u>	<u>4 gal</u>	<u>7.55</u>	<u>3.71 mS</u>	<u>22.7°c</u>	<u>same</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: _____

Sample Collection - Time Start: 1034 Time Finished: 1034

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: well purges dry

Water Sampling Field Log

Well No.: M-44

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 39.00 feet Time: 1043

Depth to Water: 27.40 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 1,160 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.85 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1044</u>	---	---	---	---	
<u>1047</u>	<u>2</u> gal	<u>7.60</u>	<u>7.49 mS</u>	<u>23.1°C</u>	<u>clear</u>
<u>1049</u>	<u>4</u> gal	<u>7.48</u>	<u>7.40 mS</u>	<u>23.2°C</u>	<u>clear</u>
<u>1053</u>	<u>6</u> gal	<u>7.37</u>	<u>7.48 mS</u>	<u>23.0°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1055 Time Finished: 1055

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-75

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 53.90 feet Time: 7:19

Depth to Water: 42.18 feet

Height of Water Column (L): 11.72 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 4-in. * 0.65 gal/ft * 6-in. * 1.47 gal/ft = 1.87 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:21</u>	---	---	---	---	---
<u>7:23</u>	<u>2 gal</u>	<u>7.57</u>	<u>6.36 mS</u>	<u>21.1°C</u>	<u>slight yellow tinge</u>
<u>7:25</u>	<u>4 gal</u>	<u>7.57</u>	<u>6.48 mS</u>	<u>21.9°C</u>	<u>same</u>
<u>7:27</u>	<u>6 gal</u>	<u>7.48</u>	<u>6.45 mS</u>	<u>22.5°C</u>	<u>same</u>
	gal				
	gal				
	gal				

Sample Appearance: slight yellow tinge

Sample Collection - Time Start: 7:28 Time Finished: 7:28

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-76

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 57.60 feet Time: 6:56

Depth to Water: 38.74 feet

Well Diameter (circle one)	Well Volume (WV)	Purge Factor	Purge Volume
<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.			

Height of Water Column (L): 15.86 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.53 gal. * 3 = 8 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:59</u>	---	<u>7.58</u>	---	---	
<u>7:01</u>	<u>3</u> gal	<u>7.34</u>	<u>5.36 mS</u>	<u>20.7°C</u>	<u>Very slightly cloudy</u>
<u>7:07</u>	<u>6</u> gal	<u>7.57</u>	<u>5.59 mS</u>	<u>21.3°C</u>	<u>Same</u>
<u>7:13</u>	<u>8</u> gal	<u>7.55</u>	<u>5.66 mS</u>	<u>21.8°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 7:14 Time Finished: 7:14

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-79

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: COOL

Well Information:

Total Well Depth: 37.60 feet Time: 912

Depth to Water: 26.09 feet

Height of Water Column (L): 11.51 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.84 gal. * 3 = 6 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>914</u>	-----	-----	-----	-----	
<u>916</u>	<u>2 gal</u>	<u>7.83</u>	<u>1.75 mS</u>	<u>20.1°C</u>	<u>clear</u>
<u>917</u>	<u>4 gal</u>	<u>7.68</u>	<u>1.71 mS</u>	<u>20.5°C</u>	<u>clear</u>
<u>919</u>	<u>6 gal</u>	<u>7.62</u>	<u>1.80 mS</u>	<u>20.7°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 920 Time Finished: 920

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-80

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 41.60 feet Time: 829

Depth to Water: 25.84 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (VV) Purge Factor Purge Volume

Height of Water Column (L): 15.76 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = _____ gal. * 3 = _____

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	DTW ONLY		
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____
_____	_____ gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: _____

Comments: _____

Water Sampling Field Log

Well No.: M-81A

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: _____

Well Information:

Total Well Depth: 43.70 ^{MB} feet Time: 808

Depth to Water: 28.61 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

	Well Volume (WV)	Purge Factor	Purge Volume
Height of Water Column (L): <u>15.09</u> feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft =	gal.	*	<u>3</u> =

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
	gal				
	gal				
	gal		DTW ONLY		
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: _____ Time Finished: _____

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: _____

Comments: _____

Water Sampling Field Log

Well No.: M-83

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 58°F

Well Information:

Total Well Depth: 42.50 feet Time: 831

Depth to Water: 23.18 feet

Height of Water Column (L): 19.32 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.09 gal. * 3 = 9 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>838</u>	-----	-----	-----	-----	
<u>840</u>	<u>3 gal</u>	<u>7.50</u>	<u>2.04 mS</u>	<u>20.8°C</u>	<u>clear</u>
<u>842</u>	<u>6 gal</u>	<u>7.42</u>	<u>2.03 mS</u>	<u>21.5°C</u>	<u>clear</u>
<u>844</u>	<u>9 gal</u>	<u>7.45</u>	<u>2.01 mS</u>	<u>21.4°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection Time Start: 846 Time Finished: 846

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: m-84

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information: _____

Total Well Depth: 36.60 feet

Time: 1038 MB

Depth to Water: 22.50 feet

Height of Water Column (L): 14.10 feet * 2-in 0.16 gal/ft * 4-in 0.65 gal/ft * 6-in 1.47 gal/ft = 2.25 gal. * 3 = 7 gallons

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
1040	---	---	---	---	---
1042	2 gal	7.73	1.37 mS	19.3°C	clear
1045	4 gal	7.66	1.38 mS	19.7°C	clear
1047	7 gal	7.58	1.39 mS	19.6°C	clear
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1050 Time Finished: 1050

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments: MD-2 taken here 3 btl

Water Sampling Field Log

Well No.: M-85

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 38.87 feet Time: 806

Depth to Water: 25.60 feet

Height of Water Column (L): 13.27 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.12 gal. * 3 = 6 gal

Well Diameter (circle one) Well Volume (WV) Purge Factor Purge Volume

2-in. 4-in. 6-in.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>807</u>	---	---	---	---	
<u>810</u>	<u>2 gal</u>	<u>7.88</u>	<u>1.24 mS</u>	<u>20.2°C</u>	<u>clear</u>
<u>812</u>	<u>4 gal</u>	<u>7.80</u>	<u>1.24 mS</u>	<u>20.2°C</u>	<u>clear</u>
<u>814</u>	<u>6 gal</u>	<u>7.75</u>	<u>1.31 mS</u>	<u>20.2°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 816 Time Finished: 816

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-86

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 43.60 feet Time: 750

Depth to Water: 29.89 feet

	Well Diameter (circle one)	Well	Purge	Purge
	<input checked="" type="radio"/> 2-in. <input type="radio"/> 4-in. <input type="radio"/> 6-in.	Volume (WV)	Factor	Volume
Height of Water Column (L): <u>13.11</u> feet	* 0.16 gal/ft	* 0.65 gal/ft	* 1.47 gal/ft	= <u>2.09</u> gal. * <u>3</u> = <u>6 gal</u>

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>751</u>	---	---	---	---	
<u>754</u>	<u>2 gal</u>	<u>7.49</u>	<u>4.34 mS</u>	<u>19.2°C</u>	<u>clear</u>
<u>755</u>	<u>4 gal</u>	<u>7.35</u>	<u>4.33 mS</u>	<u>20.1°C</u>	<u>clear</u>
<u>756</u>	<u>6 gal</u>	<u>7.30</u>	<u>4.38 mS</u>	<u>20.7°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 758 Time Finished: 758

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-87

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 41.00 feet Time: 6:29

Depth to Water: (MB) 34.33 feet

Well Diameter (circle one) 2-in 4-in. 6-in

Height of Water Column (L): 6.67 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.06 gal. * 3 = 3 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:38</u>	---	---	---	---	
<u>6:39</u>	<u>1 gal</u>	<u>7.43</u>	<u>2.02 mS</u>	<u>19.0°</u>	<u>clear</u>
<u>6:40</u>	<u>2 gal</u>	<u>7.39</u>	<u>2.28 mS</u>	<u>20.7°</u>	<u>clear</u>
<u>6:41</u>	<u>3 gal</u>	<u>7.40</u>	<u>2.38 mS</u>	<u>21.2°</u>	<u>clear</u>
<u>6:42</u>	<u>4 gal</u>	<u>7.40</u>	<u>2.44 mS</u>	<u>21.5°</u>	<u>clear</u>
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:43 Time Finished: 6:43

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-88

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Cool

Well Information:

Total Well Depth: 39.00 feet Time: 1107

Depth to Water: 30.61 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV)	Purge Factor	Purge Volume
= <u>1.34</u> gal.	* <u>3</u>	= <u>4 gal</u>

Height of Water Column (L): 8.39 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:10</u>	---	---	---	---	
<u>11:12</u>	<u>2</u> gal	<u>7.54</u>	<u>8.70</u> mS	<u>22.5°</u> C	<u>clear</u>
<u>11:13</u>	<u>3</u> gal	<u>7.34</u>	<u>8.64</u> mS	<u>23.4°</u> C	<u>clear</u>
<u>11:14</u>	<u>4</u> gal	<u>7.31</u>	<u>8.67</u> mS	<u>23.6°</u> C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 1116 Time Finished: 1116

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-89

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: COOL

Well Information:

Total Well Depth: 39.00 feet Time: 621

Depth to Water: 33.37 feet

Height of Water Column (L): 5.63 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = .90 gal. * 3 = 3 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>622</u>	---	---	---	---	---
<u>623</u>	<u>1</u> gal	<u>6.95</u>	<u>12.67 mS</u>	<u>19.2°</u>	<u>yellow</u>
<u>625</u>	<u>2</u> gal	<u>6.90</u>	<u>14.00 mS</u>	<u>21.0°</u>	<u>yellow</u>
<u>626</u>	<u>3</u> gal	<u>6.90</u>	<u>14.21 mS</u>	<u>22.1°</u>	<u>yellow</u>
<u>628</u>	<u>4</u> gal	<u>6.93</u>	<u>13.86 mS</u>	<u>21.8°</u>	<u>yellow</u>
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: yellow

Sample Collection - Time Start: 630 Time Finished: 630

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-92

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 51°F

Well Information:

Total Well Depth: 48.50 feet Time: 543

Depth to Water: 36.96 feet

Height of Water Column (L): 11.54 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.84 gal. * 3 = 6

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>545</u>	---	---	---	---	
<u>548</u>	<u>2</u> gal	<u>6.87</u>	<u>2.48</u> mS	<u>20.3</u> °C	<u>clear</u>
<u>550</u>	<u>4</u> gal	<u>7.06</u>	<u>2.54</u> mS	<u>20.6</u> °C	<u>clear</u>
<u>552</u>	<u>6</u> gal	<u>7.15</u>	<u>2.54</u> mS	<u>21.3</u> °C	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 553 Time Finished: 553

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles **TOTAL BOTTLES:** 2

Comments:

Water Sampling Field Log

Well No.: M-93

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 49.00 feet Time: 613

Depth to Water: 35.88 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 13.12 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.09 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>618</u>	---	---	---	---	---
<u>621</u>	<u>2 gal</u>	<u>7.45</u>	<u>4.01 mS</u>	<u>19.6°C</u>	<u>cloudy</u>
<u>624</u>	<u>4 gal</u>	<u>7.49</u>	<u>3.83 mS</u>	<u>20.1°C</u>	<u>slightly cloudy</u>
<u>626</u>	<u>6 gal</u>	<u>7.50</u>	<u>3.85 mS</u>	<u>21.1°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 627 Time Finished: 627

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: m-94

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: Warm

Well Information:

Total Well Depth: 21.60 feet Time: 11:55

Depth to Water: 11.40 feet

Well Diameter (circle one)
2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 10.20 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.63 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1156</u>	---	---	---	---	---
<u>1159</u>	<u>2 gal</u>	<u>7.35</u>	<u>9.03 mS</u>	<u>24.1°C</u>	<u>clear</u>
<u>1204</u>	<u>4 gal</u>	<u>7.34</u>	<u>8.48 mS</u>	<u>24.7°C</u>	<u>clear</u>
<u>1206</u>	<u>5 gal</u>	<u>7.31</u>	<u>8.74 mS</u>	<u>24.4°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 1201 Time Finished: 1207

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 3

Comments:

Water Sampling Field Log

Well No.: M-95

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: warm 61°F

Well Information:

Total Well Depth: 30.00 feet Time: 903

Depth to Water: 9.90 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 20.10 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 321 gal. * 3 = 10 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>904</u>	---	---	---	---	
<u>906</u>	<u>4</u> gal	<u>7.39</u>	<u>8.72 mS</u>	<u>23.6°C</u>	<u>clear</u>
<u>908</u>	<u>7</u> gal	<u>7.39</u>	<u>8.85 mS</u>	<u>24.1°C</u>	<u>clear</u>
<u>910</u>	<u>10</u> gal	<u>7.39</u>	<u>8.82 mS</u>	<u>24.5°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 911 Time Finished: 911

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-96

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 16.90 feet Time: 8:52

Depth to Water: 9.93 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 6.97 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.11 gal. * 3 = 3 gal.

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>853</u>	-----	-----	-----	-----	
<u>855</u>	<u>1 gal</u>	<u>7.65</u>	<u>8.07 mS</u>	<u>24.6°C</u>	<u>Very dirty</u>
<u>856</u>	<u>2 gal</u>	<u>7.41</u>	<u>8.06 mS</u>	<u>24.3°C</u>	<u>clearing</u>
<u>858</u>	<u>3 gal</u>	<u>7.38</u>	<u>8.12 mS</u>	<u>25.0°C</u>	<u>cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: cloudy

Sample Collection - Time Start: 859 Time Finished: 859

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments: removed Bailer to need DTW

Water Sampling Field Log

Well No.: M-91

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-1-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 52.50 feet Time: 558

Depth to Water: 40.07 feet

Height of Water Column (L): 12.43 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.98 gal. * 3 = 6

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>600</u>	---	---	---	---	
<u>603</u>	<u>2 gal</u>	<u>7.09</u>	<u>5.00 MS</u>	<u>19.8°C</u>	<u>clear</u>
<u>604</u>	<u>4 gal</u>	<u>7.11</u>	<u>4.97 MS</u>	<u>20.9°C</u>	<u>clear</u>
<u>606</u>	<u>6 gal</u>	<u>7.13</u>	<u>5.03 MS</u>	<u>20.9°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 608 Time Finished: 608

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-98

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 33.40 feet Time: 825

Depth to Water: 30.00 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 3.40 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 0.54 gal. * 3 = 2 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>826</u>	---	---	---	---	
<u>831</u>	<u>1</u> gal	<u>7.41</u>	<u>5.44 mS</u>	<u>22.0°C</u>	<u>clear</u>
<u>833</u>	<u>1.5</u> gal	<u>7.38</u>	<u>5.57 mS</u>	<u>22.7°C</u>	<u>clear</u>
<u>834</u>	<u>2</u> gal	<u>7.38</u>	<u>5.56 mS</u>	<u>22.7°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 835 Time Finished: 835

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: removed bailer to get DTW reading well purges dry

Water Sampling Field Log

Well No.: M-99

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-31-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: COOL

Well Information:

Total Well Depth: 36.50 feet Time: 840

Depth to Water: 27.96 feet

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Height of Water Column (L): 8.54 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.36 gal. * 3 = 4 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>841</u>	---	---	---	---	
<u>842</u>	<u>2 gal</u>	<u>7.26</u>	<u>7.22 mS</u>	<u>21.6°C</u>	<u>clear</u>
<u>843</u>	<u>3 gal</u>	<u>7.20</u>	<u>7.37 mS</u>	<u>22.5°C</u>	<u>clear</u>
<u>845</u>	<u>4 gal</u>	<u>7.18</u>	<u>7.38 mS</u>	<u>22.6°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 846 Time Finished: 846

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: M-101

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 3120 feet Time: 704

Depth to Water: 28.42 feet

Height of Water Column (L): 2.78 feet * 2-in Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.44 gal. * 3 = 1.33

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>705</u>	---	---	---	---	---
<u>707</u>	<u>.5 gal</u>	<u>7.65</u>	<u>4.46 mS</u>	<u>17.8°C</u>	<u>slightly cloudy</u>
<u>708</u>	<u>1 gal</u>	<u>7.63</u>	<u>4.38 mS</u>	<u>18.2°C</u>	<u>clear</u>
<u>710</u>	<u>1.5 gal</u>	<u>7.65</u>	<u>4.44 mS</u>	<u>18.3°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: _____

Sample Collection - Time Start: 713 Time Finished: 713

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: well purges only

Water Sampling Field Log

Well No.: M-102

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-2-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 43.50 feet Time: 6:49

Depth to Water: 37.50 feet

Height of Water Column (L): 6.00 feet * 2-in. 0.16 gal/ft * 4-in. 0.65 gal/ft * 6-in. 1.47 gal/ft = .96 gal. * 3 = 3 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:50</u>	---	---	---	---	---
<u>6:52</u>	<u>1 gal</u>	<u>7.60</u>	<u>2.41 mS</u>	<u>20.3°C</u>	<u>slightly cloudy</u>
<u>6:53</u>	<u>2 gal</u>	<u>7.57</u>	<u>2.50 mS</u>	<u>21.9°C</u>	<u>clear</u>
<u>6:54</u>	<u>3 gal</u>	<u>7.57</u>	<u>2.52 mS</u>	<u>22.6°C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: _____

Sample Collection Time Start: 6:55 Time Finished: 6:55

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 TOTAL BOTTLES: 2
2 bottles

Comments: removed bailer to get DTW reading

Water Sampling Field Log

Well No.: M-115

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 11-3-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 56°F

Well Information:

Total Well Depth: 47.50 feet Time: 7:36

Depth to Water: 37.19 feet

Height of Water Column (L): 10.31 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.24 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>7:39</u>					
<u>M40</u>	<u>2 gal</u>	<u>7.57</u>	<u>3.34 mS</u>	<u>20.4°C</u>	<u>muddy</u>
<u>M43</u>	<u>4 gal</u>	<u>7.56</u>	<u>3.36 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>M44</u>	<u>5 gal</u>	<u>7.52</u>	<u>3.31 mS</u>	<u>22.1°C</u>	<u>clear</u>
	<u>gal</u>				
	<u>gal</u>				
	<u>gal</u>				

Sample Appearance: clear

Sample Collection - Time Start: M45 Time Finished: M45

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-37

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: Warm

Well Information:

Total Well Depth: 4308 feet Time: 11:16

Depth to Water: 24.15 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
Height of Water Column (L): 18.93 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.02 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:18</u>	---	---	---	---	
<u>11:22</u>	<u>3 gal</u>	<u>7.37</u>	<u>8.50 mS</u>	<u>23.8°C</u>	<u>clear</u>
<u>11:24</u>	<u>6 gal</u>	<u>7.43</u>	<u>8.68 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>11:26</u>	<u>9 gal</u>	<u>7.41</u>	<u>8.73 mS</u>	<u>24.0°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 11:24 Time Finished: 11:27

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-54

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Warm

Well Information:

Total Well Depth: 34.60 feet Time: 939

Depth to Water: 15.13 feet

Height of Water Column (L): 19.47 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.11 gal. * 3 = 9 gal.

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>939</u>	---	---	---	---	
<u>943</u>	<u>3 gal</u>	<u>7.39</u>	<u>7.40 mS</u>	<u>24.7°C</u>	<u>Slightly cloudy</u>
<u>945</u>	<u>6 gal</u>	<u>7.29</u>	<u>7.44 mS</u>	<u>25.0°C</u>	<u>Slightly cloudy</u>
<u>947</u>	<u>9 gal</u>	<u>7.28</u>	<u>7.39 mS</u>	<u>24.8°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 948 Time Finished: 948

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-11

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: WARM

Well Information:

Total Well Depth: 33.23 feet Time: 1031

Depth to Water: 22.43 feet

Well Diameter (circle one) 2-in. 4-in. 6-in

Well Volume (VV) _____ Purge Factor 3 Purge Volume 5 gal

Height of Water Column (L): 10.80 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.72 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>10:39</u>	---	---	---	---	---
<u>10:41</u>	<u>2 gal</u>	<u>7.53</u>	<u>9.61 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>10:43</u>	<u>4 gal</u>	<u>7.42</u>	<u>9.31 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>10:44</u>	<u>5 gal</u>	<u>7.36</u>	<u>9.46 mS</u>	<u>24.5°C</u>	<u>clear</u>
_____	gal _____	_____	_____	_____	_____
_____	gal _____	_____	_____	_____	_____
_____	gal _____	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 10:45 Time Finished: 10:45

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments: _____

Water Sampling Field Log

Well No.: PC-12

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: Warm 69°F

Well Information:

Total Well Depth: 39.54 feet Time: 1049

Depth to Water: 27.64 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.

Height of Water Column (L): 11.9 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.90 gal. * 3 = 6 gal

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>1050</u>	---	---	---	---	
<u>1052</u>	<u>2 gal</u>	<u>7.46</u>	<u>8.24 mS</u>	<u>23.5°C</u>	<u>clear</u>
<u>1054</u>	<u>4 gal</u>	<u>7.38</u>	<u>8.33 mS</u>	<u>23.7°C</u>	<u>clear</u>
<u>1056</u>	<u>6 gal</u>	<u>7.39</u>	<u>8.31 mS</u>	<u>23.8°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 1057 Time Finished: 1057

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-13

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: Warm

Well Information:

Total Well Depth: 49.44 feet Time: 11:01

Depth to Water: 30.26 feet

Height of Water Column (L): 19.18 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.06 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>11:03</u>	---	---	---	---	
<u>11:05</u>	<u>3 gal</u>	<u>7.40</u>	<u>8.01 mS</u>	<u>23.8°C</u>	<u>clear</u>
<u>11:07</u>	<u>6 gal</u>	<u>7.34</u>	<u>8.16 mS</u>	<u>24.2°C</u>	<u>clear</u>
<u>11:09</u>	<u>9 gal</u>	<u>7.34</u>	<u>8.29 mS</u>	<u>24.1°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 11:11 Time Finished: 11:11

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 21

Comments:

Water Sampling Field Log

Well No.: PC-123

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 45% MS

Well Information:

Total Well Depth: 34.70 feet Time: 546

Depth to Water: 23.00 feet

Well Diameter (circle one) Well Volume (VV) Purge Factor Purge Volume

2-in. 4-in. 6-in.

Height of Water Column (L): 11.70 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.87 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>548</u>	-----	-----	-----	-----	
<u>551</u>	<u>2</u> gal	<u>6.65</u>	<u>8.90 mS</u>	<u>20.9°C</u>	<u>clear</u>
<u>553</u>	<u>4</u> gal	<u>6.88</u>	<u>8.97 mS</u>	<u>21.9°C</u>	<u>clear</u>
<u>555</u>	<u>6</u> gal	<u>6.99</u>	<u>8.72 mS</u>	<u>22.1°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: _____

Sample Collection - Time Start: 556 Time Finished: 556

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: DE-124

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 34.60 feet Time: 6:04

Depth to Water: 24.90 feet

Height of Water Column (L): 9.70 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.55 gal. * 3 = 5 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (VV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:06</u>	---	---	---	---	
<u>6:08</u>	<u>2 gal</u>	<u>7.29</u>	<u>3.76 mS</u>	<u>18.5°C</u>	<u>muddy</u>
<u>6:09</u>	<u>4 gal</u>	<u>7.11</u>	<u>6.83 mS</u>	<u>20.1°C</u>	<u>slightly muddy</u>
<u>6:11</u>	<u>5 gal</u>	<u>7.12</u>	<u>6.85 mS</u>	<u>20.9°C</u>	<u>slightly cloudy</u>
<u>6:12</u>	<u>7 gal</u>	<u>7.19</u>	<u>6.93 mS</u>	<u>21.1°C</u>	<u>muddy</u>
	gal				
	gal				

Sample Appearance: muddy

Sample Collection - Time Start: 6:14 Time Finished: 6:14

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-125

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 33.50 feet Time: 6:21

Depth to Water: 23.45 feet

Well Diameter (circle one) 2-in. 4-in. 6-in.
 Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 10.05 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 1.50 gal. * 3 = 5 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:22</u>	---	---	---	---	
<u>6:24</u>	<u>2</u> gal	<u>7.21</u>	<u>7.58 mS</u>	<u>19.6°C</u>	<u>cloudy</u>
<u>6:25</u>	<u>4</u> gal	<u>7.18</u>	<u>7.33 mS</u>	<u>21.4°C</u>	<u>cloudy</u>
<u>6:26</u>	<u>5</u> gal	<u>7.21</u>	<u>7.22 mS</u>	<u>21.2°C</u>	<u>cloudy</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:22 Time Finished: 6:22

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-126

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 34.30 feet Time: 6:34

Depth to Water: 22.45 feet

Height of Water Column (L): 11.85 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 4-in. * 0.65 gal/ft * 6-in. * 1.47 gal/ft = 1.89 gal. * 3 = 6 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:36</u>	---	---	---	---	
<u>6:37</u>	<u>2 gal</u>	<u>7.18</u>	<u>12.35 mS</u>	<u>19.5°</u>	<u>slightly cloudy</u>
<u>6:39</u>	<u>4 gal</u>	<u>7.15</u>	<u>12.66 mS</u>	<u>20.6°</u>	<u>very slightly cloudy</u>
<u>6:40</u>	<u>6 gal</u>	<u>7.13</u>	<u>12.44 mS</u>	<u>21.3°</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 6:42 Time Finished: 6:42

Analyses: pH / CLO4 / CR / TDS Bottles: 2 Bottles pH / CLO4 / CR6 / TDS / CR Bottles: 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-127

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 50°F

Well Information:

Total Well Depth: 34.70 feet Time: 6:49

Depth to Water: 19.21 feet

Height of Water Column (L): 15.49 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 4-in. * 0.65 gal/ft * 6-in. * 1.47 gal/ft = 2.47 gal. * 3 = 7 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>6:50</u>	---	---	---	---	
<u>6:52</u>	<u>3 gal</u>	<u>7.35</u>	<u>9.14 mS</u>	<u>19.6°C</u>	<u>clear</u>
<u>6:54</u>	<u>5 gal</u>	<u>7.32</u>	<u>8.44 mS</u>	<u>21.4°C</u>	<u>clear</u>
<u>6:55</u>	<u>7 gal</u>	<u>7.30</u>	<u>8.65 mS</u>	<u>21.5°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 6:57 Time Finished: 6:57

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 TOTAL BOTTLES: 2
2 bottles

Comments: MD-3 taken here 2 btls

Water Sampling Field Log

Well No.: PC-128

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: COOL

Well Information:

Total Well Depth: 34.70 feet Time: 103

Depth to Water: 18.48 feet

Height of Water Column (L): 16.22 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 2.59 gal. * 3 = 8 gal

Well Diameter (circle one)
 2-in. 4-in. 6-in.

Well Volume (WV) Purge Factor Purge Volume

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>105</u>	---	---	---	---	---
<u>107</u>	<u>3 gal</u>	<u>7.48</u>	<u>5.60 mS</u>	<u>21.3°C</u>	<u>clear</u>
<u>110</u>	<u>6 gal</u>	<u>7.47</u>	<u>5.69 mS</u>	<u>21.5°C</u>	<u>clear</u>
<u>112</u>	<u>8 gal</u>	<u>7.45</u>	<u>5.12 mS</u>	<u>22.9°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 114 Time Finished: 114

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments: MD-5 taken here 4 bottles

changed out broken lid

Water Sampling Field Log

Well No.: PC-129

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: COOL 52°F

Well Information:

Total Well Depth: 37.70 feet Time: 1:21
 Depth to Water: 18.55 feet
 Well Diameter (circle one) 2-in. 4-in. 6-in.
 Height of Water Column (L): 19.15 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 3.06 gal. * 3 = 9 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>722</u>	---	---	---	---	---
<u>726</u>	<u>3 gal</u>	<u>7.23</u>	<u>6.55 mS</u>	<u>20.5°C</u>	<u>slightly cloudy</u>
<u>728</u>	<u>6 gal</u>	<u>7.15</u>	<u>6.88 mS</u>	<u>21.7°C</u>	<u>slightly cloudy</u>
<u>731</u>	<u>9 gal</u>	<u>7.13</u>	<u>7.19 mS</u>	<u>21.7°C</u>	<u>cloudy</u>
<u>733</u>	<u>11 gal</u>	<u>7.12</u>	<u>7.30 mS</u>	<u>21.6°C</u>	<u>cloudy</u>
<u>735</u>	<u>13 gal</u>	<u>7.14</u>	<u>7.56 mS</u>	<u>21.8°C</u>	<u>cloudy</u>
	<u>gal</u>				

Sample Appearance: cloudy

Sample Collection - Time Start: 736 Time Finished: 736

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3 2 bottles TOTAL BOTTLES: 2

Comments: MD-4 taken here 2 bottles

Water Sampling Field Log

Well No.: PC-130

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2"

Weather Conditions: cool

Well Information:

Total Well Depth: 49.70 feet Time: 7:40

Depth to Water: 19.10 feet

Height of Water Column (L): 3060 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.89 gal. * 3 = 15 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>741</u>	---	---	---	---	---
<u>745</u>	<u>5 gal</u>	<u>7.22</u>	<u>7.38 ms</u>	<u>21.1°C</u>	<u>clear</u>
<u>749</u>	<u>10 MB gal</u>	<u>7.25</u>	<u>7.37 ms</u>	<u>21.1°C</u>	<u>clear</u>
<u>753</u>	<u>15 gal</u>	<u>7.26</u>	<u>7.35 ms</u>	<u>21.3°C</u>	<u>clear</u>
---	gal	---	---	---	---
---	gal	---	---	---	---
---	gal	---	---	---	---

Sample Appearance: clear

Sample Collection - Time Start: 754 Time Finished: 754

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments:

Water Sampling Field Log

Well No.: PC-131

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool

Well Information:

Total Well Depth: 39.40 feet Time: 7:59

Depth to Water: 11.10 feet

Well Diameter (circle one) 2-in. 4-in. 6-in. Well Volume (WV) Purge Factor Purge Volume
 Height of Water Column (L): 28.3 feet * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.52 gal. * 3 = 14 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>800</u>	---	---	---	---	---
<u>804</u>	<u>5</u> gal	<u>7.14</u>	<u>13.11 mS</u>	<u>22.0°C</u>	<u>clear</u>
<u>807</u>	<u>10</u> gal	<u>7.12</u>	<u>13.02 mS</u>	<u>23.2°C</u>	<u>clear</u>
<u>809</u>	<u>14</u> gal	<u>7.09</u>	<u>13.08 mS</u>	<u>23.5°C</u>	<u>clear</u>
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____
_____	gal	_____	_____	_____	_____

Sample Appearance: clear

Sample Collection - Time Start: 811 Time Finished: 811

Analyses: pH / CLO4 / CR / TDS pH / CLO4 / CR6 / TDS / CR
 Bottles: 2 Bottles 3 Bottles

NO3 / CLO3
2 bottles TOTAL BOTTLES: 2

Comments:

Water Sampling Field Log

Well No.: PC-132

Project No.: _____ Site: TRONOX LLC- HENDERSON, NEVADA

Sampling Team: Michele Brown, James Winge, Eric Crawford Date: 10-30-06

Sampling Method: Electric Pump Dedicated Bailer Non Dedicated Bailer Ready Flo 2" O

Weather Conditions: cool 54°F

Well Information:

Total Well Depth: 39.70 feet Time: 817

Depth to Water: 9.84 feet

Height of Water Column (L): 29.83 feet * 2-in. Well Diameter (circle one) * 0.16 gal/ft * 0.65 gal/ft * 1.47 gal/ft = 4.77 gal. * 3 = 14 gal

Field Measurements:

Depth Purging From: 2 ft. below depth to water

Time	Cumulative Volume Purged	pH	Specific Conductivity	Temp	Observations
<u>818</u>	-----	-----	-----	-----	
<u>821</u>	<u>5 gal</u>	<u>7.32</u>	<u>12.30 mS</u>	<u>22.7°C</u>	<u>clear</u>
<u>823</u>	<u>10 gal</u>	<u>7.20</u>	<u>12.58 mS</u>	<u>23.3°C</u>	<u>clear</u>
<u>825</u>	<u>14 gal</u>	<u>7.19</u>	<u>12.53 mS</u>	<u>24.3°C</u>	<u>clear</u>
	gal				
	gal				
	gal				

Sample Appearance: clear

Sample Collection - Time Start: 827 Time Finished: 827

Analyses: pH / CLO4 / CR / TDS 2 Bottles pH / CLO4 / CR6 / TDS / CR 3 Bottles

NO3 / CLO3
2 bottles

TOTAL BOTTLES: 4

Comments: replaced broken lid